

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bob White <bobwhitewo3b@geocities.com>  
Subject: [12626] "Guns n Roses" NC38S  
Message-ID: <330CB129.10DB@geocities.com>

Jim Hale KJ5TF's "Guns n Roses" NC38S is up for view on the W03B homepage.

[HTTP://WWW.GEOCITIES.COM/~BOBWHITEW03B](http://WWW.GEOCITIES.COM/~BOBWHITEW03B)

72,  
Bob W03B

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Rich Arland <qrp@postoffice.worldnet.att.net>  
Subject: [12559] "WHY QRP?" letter in Mar QST  
Message-ID: <19970220035106.AAC15131@LOCALNAME>

It's been a while since I posted anything to this group, however the letter that appeared in March QST, pg 24 entitled "WHY QRP?" by Adam McLaughlin, KD6POC, certainly aroused my interest. At the risk of needing my flame proof undies, here is my two cents worth.

Reading Adam's letter brought back memories of a thread on qrp-l about 8 or 9 months ago regarding QRP articles that had appeared in ham magazines. It seems that several members of the list were quite annoyed at the lack of "originality" in these articles. These folks took me to task saying that my articles which had appeared in CQ and QST were nothing but a rehash of the same old stuff: how neat QRP was, pride in accomplishment, etc, etc....blah, blah, blah.

To this I replied, "True. I wrote the articles to appeal to the newcomers in the hobby". All you have to do is read Adam's letter and you know precisely why I wrote those articles. The "fun stuff" needs to be highlighted. We take QRP for granted. We are successful with it. Mainstream ham radio needs to be kept abreast of our facet of the hobby in order for our ranks to grow.

I went further to address the problem and said that those people who were so concerned about originality (or lack thereof) needed to start writing articles. This apparently went unheeded, as I have not seen much regarding QRP, aside from the occasional simple construction article. Absolutely NOTHING, zip, zero, zilch, nada, about the "fun" aspects of QRP operation (the ARRL's "QRP POWER" notwithstanding, since it is a series of reprints from QST, QEX and other articles).

Let's take a look at the big picture to find out why Adam wrote his letter. There are only two magazines the feature monthly QRP columns, 73 magazine and Worldradio. Together these two magazines do not boast one quarter of the circulation of QST, who's editorial staff steadfastly refuses to feature a regular QRP column. Instead QST relies on an occasional QRP construction article and once in a great while, a feature on QRP operating. HOWEVER, QST features monthly columns on VHF, UHF and Microwaves (the stuff that'll sterilize 'ya!), YLs, DX, Contesting, satellites, Novice/Tech, New Ham Companion, and even a DEAD hams column! Now I know that QRP rates more column inches than a bunch of old dead guys!

In the past I tried to get Dorhoffer and Ross to restart the QRP column in CQ which was originally done by Ade Weiss, W0RSP. The standard party line I kept hearing from CQ was, "CQ cannot be all things to all ham radio operators". In other words, they don't want to be bothered with a QRP column, instead they rely in Ingram, who at least once every 6 months has some reference to QRP.

All you have to do is read Adam's letter to realize that the word about QRP and the fun we are having is not being paraded in front of the masses, leaving the "Great Unwashed" to write letters bemoaning QRP to QST. After re-reading KD6POC's letter several times, I came to realize that Adam was right! What is the BIG DEAL about QRP? If you cannot immediately think of at least five things that makes QRP fun and interesting then you need to find another hobby.

That's the problem, the way I see it. Now for the solution. What can YOU do?

1. Contact your local ham radio club and offer to do a program on QRP. Get slides, video and handouts ready and talk to the club for 30 to 45 minutes about the fun you and others are having with QRP.
2. Write articles for your club newsletter on QRP.
3. Write an article for your local newspaper about QRP.
4. Contact your local PBS outlet and try to interest them in doing a locally produced special on ham radio in general and QRP in particular.
5. Start a letter writing campaign to QST and CQ to have them feature a monthly QRP column in their respective magazines.

In my own instance, I even went so far as to contact HCJB the huge SW broadcaster in Quito Ecuador and recorded a six tape series on QRP that airs once every 9 to 12 months on HCJB's weekly Ham Radio Today show.

It looks like dear old Adam will be receiving a courtesy copy of all five of my QRP articles. He obviously didn't read them when they first appeared (possibly he wasn't even licensed at that time). In any case, Adam will soon

have his very own, personalized introduction to the wonderful world of QRP.

It is obvious that Adam and others like him need to be enlightened. Will you do your part? If you are not willing to participate and spread the QRP gospel, don't bitch. If you're not part of the solution then you're part of the problem.

72/73 rich K7SZ (ex: K7YHA)

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [12607] (fwd) For Sale or Trade: Computer, microphone, other stuff  
Message-ID: <330d85ae.41452426@smtp.usit.net>

On Thu, 20 Feb 1997 15:19:27 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>Total package =3D \$695, first \$600 takes it all. Delivery within 6-8  
>hour drive of Memphis, Tennessee, can be arranged. Trades always  
>considered!

=46orgot to mention ...

I'll be traveling to Toledo, Ohio, from Jackson, Tennessee, on  
Monday (Feb. 24), interviewing in Toledo Tuesday, returning on  
Wednesday (Feb. 26). Delivery in West/Middle Tennessee, Central  
Kentucky, Ohio, Southern Michigan, Indiana, Illinois (south of  
Chicago) should be a snap, no additional charge. Must find out by  
Sunday evening (around 5:00 CST).

72 es 73 de=20  
Marty, KM7W

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Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: jim hale <kj5tf@mctc.com>

Subject: [12596] 38 Special "Guns n Roses" picture available  
Message-ID: <330C8B81.3DED@mctc.com>

Hi 38S fans - When I told Ori abt the tea tin case I was going to use for my 38s he gave it the name "Guns n Roses". I took a picture and got it scanned by a friend. If anyone wants to have a copy send me email and I'll forward to you. Its quite colorfull, and is sitting on a solar panel.

I would love to see it posted on a web page if anyone wants to do that!

thanks, & 72/3'z de Jim - (38s #67) - Solar and wind power since 1980

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: kb0rol@juno.com (Bradley L Mugleston)  
Subject: [12551] 38 Special check points  
Message-ID: <19970219.183743.7271.1.kb0rol@juno.com>

A week or so ago Paul Harden published some check points for the 38 Special. I forgot where I put them. Can someone direct me to the day or digest they can be found.

Thanks

Brad Mugleston - KB0ROL  
Colorado QRP Club # 170, QRP-L #316, ARRL  
QTH - Aurora, CO - DM79oq  
KB0ROL@JUNO.COM  
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: SBJohnston@aol.com  
Subject: [12564] 38 Special limited tuning range  
Message-ID: <970219232355\_1779024086@emout03.mail.aol.com>

Jim (AD4KB@aol.com) wrote:

>I have replaced the diode,  
>paralleled the diode, put in a varactor, checked the  
>voltage on the pot (0to 8 volts), replaced the pot, and  
>everything else I could think to do.  
> Still 2khz range! The only thing I haven't tried is

> replacing the crystal. Any Ideas?

Mine was exactly the same -- until I replaced the crystal with one from Mouser Electronics. It works great now -- there was something goofy with the original crystal. You should order another from Norcal -- or you can have one of mine free (I always order more than I need to keep the ole junk box stuffed.

Steve Johnston WD8DAS

sbjohnston@aol.com

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Mike P <73571.3404@CompuServe.COM>  
Subject: [12631] 40-9er available?  
Message-ID: <970220203502\_73571.3404\_FHD54-1@CompuServe.COM>

About a couple of months ago I had ordered a 40-9er. Jim Cates said the kits no longer exist but as I was reading CQ last month there is a artical about the beast and was told available. Did they make new kits? I also heard that they were working on a new style and I was wondering if anyone knew when that one will be available?

Mike

73

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Rick Sealey <rsealey@InfoAve.Net>  
Subject: [12544] 40M Rubber Duck  
Message-ID: <1.5.4.32.19970220003143.00679714@mail.infoave.net>

Lorraine...

I thought that was you, the famous backpackin' QRPP celeb from QST. Just wondering if you're going to use that 40M rubber duck for FYB0? Thanks for the fun reading.

72,73

Rick - KI4PZ

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Thomas J. Whalen" <whalen@swcp.com>  
Subject: [12635] 49er contact  
Message-ID: <Pine.SUN.3.91.970220134630.626A-100000@kitsune.swcp.com>

Yesterday I called CQ on 40m with my 49er. A K80RD/7 came back to my call. He was in Cave Creek, AZ which is just outside PNK. He gave me a 579 on my 1/4 watt 49er. Figures out to be about 2500 miles per watt! I was really thrilled that he could even hear me. This qrp stuff is really great! Can't wait till ten meters opens up and can work the world with 1/4 watt and a coathanger for an antenna! During cycle # 21(when I was just a kid) I hooked up a 102 inch whip on a backpack frame and had the Ten Tec Argo 505 and walked around trying to make contacts! Never made any that I remember, but my wife and neighbors looked at me sort of funny! I guess it didn't effect my wife too bad cuz she is still putting up with me HiHi!! 72, and cu on the FYBO and CQC this Sat and Sun. Will be using kite antenna with Argo and 706. Tom WB5QYT

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
Subject: [12632] 50 Hz digital UTC clock?  
Message-ID: <330CB711.5F58@vyh.fi>

Somebody on this list mentioned the UTC clock made by Whiterook. The company informed me that the display is multiplexed. Considering that the case is made of plastic, I wonder if it's not going to cause massive digital hash. Hey, I experience hash at least on 2 m from digital equipment that's in metal cases.

I'd have to lay out extra money to get the most reliable model CK-1 to work on 50 Hz. The clock circuit itself can be jumpered for 50 Hz, but I'll need to buy a 50 Hz 12 V AC transformer PLUS either a custom made Xtal for the back-up clock generator or a different IC (is 5369 divider from 3.579 MHz) if such a beast even exists.

That's why I'm curious to hear about what other owners' experience are. Maybe other European readers have suggestions as to where to get a 50 Hz digital (read-out) UTC-clock?

73, OH2ZAZ

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Arjen Raateland

Finnish Environment Institute  
SAS Support  
phone +358 9 4030 0457

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: mike wood <K6MW@server.worldinfonet.com>  
Subject: [12549] Another Parts Catalog available  
Message-ID: <330BA4E1.2DDF@server.worldinfonet.com>

Just received another new catalog from JDR Microdevices today. They have 2 separate catalogs: one for PC Products and another for elect components. The components catalog has several useful kits including an audio amp for less than \$5.00

Best part about them is they don't have a minimum order

You can access their web page and request their catalogs at:  
<http://www.jdr.com>

No association with them other than being a happy customer in the past.

73, mike

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Jim W7LS <w7ls@brigadoon.com>  
Subject: [12629] Anyone using Tokyo Hi Pwr 40/15/6M HT?  
Message-ID: <199702202023.MAA22510@olympic.brigadoon.com>

Yo. Anyone out there using the Tokyo High Power HF ht? It covers 40, 15, and 6 meters. Ssb and cw. Digital synthesizer, noise blanker, etc. Seems way cool to me. Just wondering how folks like these. Are there any problems to watch for? Tips? Tnx/73 de Jim, W7LS

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: haf47@juno.com (HOWARD A FRIEDMAN)  
Subject: [12602] AT-11 antenna input  
Message-ID: <19970220.114027.4455.1.haf47@juno.com>

Hi Gang, I'm now the proud owner of an AT-11, and would appreciate any input as to an antenna to use that will work well for 80-10 on the auto

mode.

Does anybody use an 80 meter dipole with the AT-11? I'd be interested in how it works for you on all bands. Again, all input appreciated. 73,  
Howard

haf47@juno.com  
WA2AFD @ WA2UMX.NY  
QRP-L # 1008

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: ukii@megsinet.net (ukii)  
Subject: [12543] Begging...38s TX help.  
Message-ID: <01BC1E92.C8F09600@randolph2er1-23.megsinet.net>

Hello Gang.  
Yes, me again, and yes, still ain't working...  
I got the receive working ok on the 38special, but don't have any output at the antenna output. I am using a 914 diode with the cathode connected to the positive lead of my meter to measure RF voltage. I read zero at the antenna, then following it back, I find a trace at one side of L3.=20  
Well, lemme start over,,,  
I have 7.3 RF volts at pins 14,16 etc of U4, so I guess the output from = there  
is good. I follow that to C27 and have the same voltage at one side of = the capacitor, but just a trace (millivolts or less) at the other side = (the side  
going to L3).  
So, please, can someone tell me what I am doing wrong here? I know a capacitor will block DC, but I should read some RF voltage with that = diode,  
shouldn't I? I am lost and ready to call out SAR.  
OH, adjusting TC2 does change the voltage, but very very slightly.  
ANY help would be GREATLY appreciated!  
Thanks for all the help (past and future)  
73 de john  
n9ukx

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Ted Albert <72437.651@CompuServe.COM>  
Subject: [12569] Colorburst Sprint Reminder



Message-ID: <970220053845\_72437.651\_IHD61-1@CompuServe.COM>

The third night of the Colorburst Sprint is this Thursday, 2/20/97, from 9-10PM EST. Participation continues to be strong with a number of stations running crystal control. Don't forget that the Colorburst Sprint presents a great opportunity to get contacts with that Pixie or 80-9er rig, and you may get the opportunity to work a QRP glowbug station, as members of the Glowbug list will be joining us for this event.

After the Sprint has closed at 10PM EST, I will switch to 3.686 Mhz and look for QRP contacts. I modified this year's transmitter to offer 3 crystal frequencies, 3.560, 3.579 and 3.686 Mhz.

Attached with this note are the rules for the Colorburst Sprint.

Hope you can join us!

72 de Ted, KF8EE  
NE404

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Announcing the :

QRP-NE (QRP Club of New England)

79er SPRINT  
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When: Each Thursday evening during February and March, 1997

Modes: CW - Crystal and VFO Control

Freq: ~ 3.579 MHz

Power Level - 5 Watts or less output power

Time: 9:00 - 10:00 p.m. EST

Exchange - RST QTH NE#X NAME; ie.....579 OH NE404X Ted

Members use QRP-NE number; NE404 and add X if XTAL control; NE404X  
Non-members use Power Level; 4W and add X if XTAL control; 4WX

QSOs are cumulative: Work the same station on subsequent Thursdays.  
Score: QSOs X SPC. Crystal Station Bonus: Total score X 1.5.

The 79er transmitter was NE-QRP's first club project. It uses a 3579.545 kHz crystal to set the frequency. These crystals are used in the colorburst oscillator of all color TV sets in the United States and Canada, and in other devices as well.

The 79er event is an on-the-air get together, not a contest. Crystal-controlled stations append the letter "X" to their calls, such as "KF8EE/X." Yes, it's legal. We hope this event will stimulate everyone to build a crystal-controlled transmitter to use during the event!

Send Logs to:        Ted Albert, KF8EE  
                              1924 Timberidge Drive  
                              Loveland, OH 45140

(or)

e-mail Logs to:     72437.651@compuserve.com

Logs need to be received by April 30, 1997. Results will be published in "72". State Output Power Level, Type of Rig, and Antenna Type on logs. Include comments on the event or how you built your crystal-controlled transmitter for inclusion in the report in "72".

Watch out: W1AW transmits bulletins at 10:00 pm. on 3.581 MHz

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Transmitter Reference articles:

In case you were wondering, "79er" comes from 3.579 MHz

Articles abound on building a simple crystal-controlled transmitter for 80 meters. Try the "Universal QRP Transmitter", page 26 of "Solid State Design " (ARRL), or "The Oner" (Sprat), or "The Cubic Incher" (ARRL), or "The 79er"/"Colorburst Special" (QRP-NE).

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From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [12576] Debugger #1 Day 4  
Message-ID: <199702200931.DAA25820@admin.inetport.com>

Whew....

No power yet...

Someone asked what rig we are doing all this with. It is a RadioKit QRP-40 single band rig designed by K1BQT. It has been reported not to work....

Checked out L2 the VFO toroid - had 1 too many turns(39).  
Calculated the value it should have - 6.859 uh for 38T #28 on a T50-7  
Measured about 6.95 with a 171 pf resistor and the MFJ-259.  
(Good news...The Amidon 'catalog' came today.....Bad news no data on #7 mix...They must have a REAL catalog somewhere....)

Went through a big harangue computing the equivalent capacity of the VFO network hanging off of pins 6 and 7 of the U1 NE602. Looks like it would swing from 173 pf to 224 pf for a freq swing of 4.623 to 4.065 mhz with the 38 turn L2. Hmmmmm this is supposed to swing at least from 5.000 to 4.850 mhz.... We really need a range of cap of 148 pf to 157 pf to get this freq swing.

If we changed the coil, 34 turns might do it... We change the frequency by about 140 khz per turn... Non linear...

If we adjust the cap range, 220 vz 330 from pin 6 to pin 7 would give 140 to 157 pf swing. If we need to go more in that direction a 180 pf in that position will give 124 to 170 pf swing.

So What?? Well when we fire up and look for the VFO osc freq, we may just expect to find it low by up to about .5 mhz. Fiddling with lower value caps across pins 6 and 7 might pull it up....

And maybe not.... We'll see, at least now we know which way to adjust which elements....

Reinstalled that dude and hit it with a dab of hot glue....

If all this sounds like I know what I'm doing, BEWARE, I got carried away after I read the rig analysis section of the Data Book....

Boy, did the NA5N Data Book come in handy on that...

And that was the easy one.....

Next on the list was L8, the TX driver collector tank coil. This is a 14 turn bifilar job with a 3 turn link. Main turns were ok but it had a 4 turn link. Computed L for 14 bifilar turns #28 on a T30-2 core looks like 3.3712 uh. After tightening up the turns and making the link 3 turns measured with a 150 pf then a 130 pf and a 142 pf cap. Got about 3.5 or 3.6 uh.

Unless there's a ton of capacity that I don't see, that 8-50 trimmer is never gonna make that coil go to 7 mhz. It takes about 140 pf to resonate the coil to 7 mhz. I was so sure of that, that I put a 110 sm across the trimmer on the foil side to put the center of the trimmer at 140 pf....

Anyway, again we know which way to go here if it won't peak. This coil was installed incorrectly (or else it is now!!) So spent some time redrawing the board layout and tracing the ckt to make sure the gozintas and gozoutas are correct...

And by the way whoever wuda' suspected that the secondary link connection could be backwards??? It wasn't, but I never knew it make any difference!! But loooooow... There in the Data Book it tells you why, and it makes sense! You want to get the good sine wave halves, not the clipped ones....

Next was the Antenna coil L1. This beauty is 28 turns of #32 tapped at 10 turns from the 'bottom' with a 2 turn link on the 'ground' end. All this on a T30-2 form. Did you ever try to figure out where the 10th turn is for tapping.. After a gazillion counts and a dozen or so pictures I came to the conclusion that it was in the correct place. Could'nt tell if this one was connected correctly because the wires all moved around when it popped out and I didn't have a good fix on what was where. Snugged up the windings and redid the link and measured it. Looks like 130 pf resonates it to 7.16 mhz and 171 pf resonates it to 6.742 mhz. The 8 - 50 trimmer is padded with 120 pf, so it should tune ok... Dabbed it with a little finger nail polish and put it back in and zapped it with the glue gun. (just a little dab to hold it still til we try it).... Didn't do much with this, but it took a long time, those itty bitty wires and these hands that aren't as steady as when I was 20 (or even 40 or 50)

Next I had at the TXMX coil L7. This is the tank on the output side of the transmit mixer and couples to the driver base through a .001 cap. Struck paydirt here. This is a 14 turn bifilar with #28 on a T30-2 core, with a 4 turn link. Found 15 turns and a 5 turn link. Hmmmmmm. Measured about 4 uh with 15 turns and then about 3.5 with 14 turns. Calculated value is 3.37 uh for 14 T and 3.87 uh for 15 T. This looks like another case where the 8-50 pf trimmer is not going to make it. 51 pf resonated the 14 T coil to 10.704 mhz...No.. No... This is supposed to be the signal freq, not some if or mixer freq!! The coil calculated uh of 3.37 needs 151.6 pf to resonate at 7.075. Measured the following; With 100 pf - 7.9 mhz

With 120 pf - 7.205 mhz  
With 229 pf - 5.373 mhz  
so that looks about right (TLAR) .  
Can't really believe there's that much stray cap around that circuit....  
We may need to pad this coil's trimmer with about 120 pf if it don't tune.....

Thats about it for today.... Thunder storm came through and knocked out the  
lights and computer briefly, but all seems ok now....

Only three more toroids to go....Ugh...  
Also suspect the '47' pf cap in the TX mixer ckt....is a disk ceramic and marked  
47k...  
Now isn't that 47000 aka .047???? Hummm going to pull that tomorrow and  
measure it. Why is this one a ceramic disk and the other one is a little blue  
mono marked 47J?????

I may not fix this baby, but I sure will know how to check coils and caps and  
count turns (hopefully correctly)....

To bed...To bed....

Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K8OSG  
W6HED W4ZTB

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [12592] For Sale or Trade: Computer, microphone, other stuff  
Message-ID: <330c683f.33916419@smtp.usit.net>

Toshiba T-1900 Laptop, 486/20, 4 meg RAM, 200 MB hard drive  
(uncompressed), monochrome VGA screen, Quickport trackball mouse,  
14.4 fax/modem (PCMCIA). Has a problem in the DC input line, runs  
fine on batteries, but runs on power cord only occasionally. Will  
charge batteries, and works if started on batteries and plugged into  
charger/power cord after battery power is established. Comes with  
vinyl "briefcase style" carrying case (appx. 13Hx14Wx8D) with file  
folder dividers, many pockets, etc. All for \$400

Practical Peripherals 28.8 PCMCIA EX-Port fax/modem -- no adapters  
required, the port for the telco cable is in the modem. \$90

13" color VGA external monitor. \$60  
Ext. keyboard -- \$25

Microsoft Mouse, PS/2 port connection. \$35  
Epson Stylus 400 inkjet printer, 360 DPI resolution -- \$85.

Total package =3D \$695, first \$600 takes it all. Delivery within 6-8 hour drive of Memphis, Tennessee, can be arranged. Trades always considered!

Also, Shure 444 desk microphone, labeled with "Swan", make offer.

Contact me directly for address, phone, and delivery arrangements.

72 es 73 de=20  
Marty, KM7W

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Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq  
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From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [12545] FS: Books from N5GFX estate  
Message-ID: <n1355744965.62606@msmailgw1.arlut.utexas.edu>

As I am doing for the ARRL books, I will take names and the title of the book you want typed in a reply of one line. These will be put in a hat.

Then, a drawing will be held, after digest readers have had a chance to enter as well.

Probably fair to let this one go into say Tues. of next week, for I run 3 digests behind when "I" am caught up! :-)

Thanks for your patience, I am cramming this in around club meetings of radio groups and ARES every Tues, first Thurs., etc. work, real life? note hamming is stacked up on the table for awhile as unfinished kits, and QSL's.

All prices are plus shipping: All are in excellent condition.

- A. Ameco Advanced Class Test Manual, 1993 \$3 (nostalgia item)
- B. Intuitive IC Electronics, pub. by National Semiconductor (rare, hard cover, non math treatment of how internal workings of IC's do it) \$22
- C. ITT Reference Data for Radio Engineers, 5th ed. (big) classic, weighs 3 lbs. or more! Serious experimenters want this! \$25

D. SAMS pub. Basic Electricity and Circuit Concepts, DC Circuits, Vol. 1 (just the thing for the young electronics fan who visits your shack), soft cover, \$5

E. Computer Interface Option Owner's man. Ver. 3.5, by Advanced Computer Controls, 1988. (this may have a board to go with it, looks like a repeater controller software instructions type of thing, but maybe someone knows and needs it, would be a shame to deep six it) \$10 and will look for the board. There is a computer we have not gone into yet. The board will add a little to this.

F. QCWA Members Directory '93 \$1 (If you were licensed 25 years ago, and are not already a member, you can look up to see if your buddy is, and then join. I will sign an application for you, if you want. You do not have to be continuously licensed to join QCWA, just have been a Novice or any class ham, 25 years ago or more. Let's see, that was 1972!

Thanks,  
email to Stuart K5KVH  
rohrer@arlut.utexas.edu

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: QLF%[mimi@magic.itg.ti.com](mailto:mimi@magic.itg.ti.com)  
Subject: [12583] FS: TS-120V (forwarded from newsgroup)  
Message-ID: <9702201344.AA21415@itg.ti.com>

From: Brad Bradfield QLF

Subj: FS: TS-120V (forwarded from newsgroup)

-----Forwarded-----

For sale , Kenwood TS 120-V Qrp rtx, with CW filter 500 Hz., manual and package.

Fabrizio IK1VCF

<[modinaf@swsupp.ico.olivetti.COM](mailto:modinaf@swsupp.ico.olivetti.COM)> (Fabrizio MODINA)

-----End Forward-----

72's es 73's,

Brad, WB0CGH

\*\*\*\*\*  
Brad Bradfield, PE Electrical Design Engineer  
(H) 817-321-2960 Texas Instruments, Inc.

(W) 972-462-6230

(Soon to be: Raytheon/TI Systems)  
Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

\*\*\*\*\*

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: Mike Robinson <miker@cc.com>

Subject: [12585] FSFD - WY

Message-ID: <9702201414.AA12391@voder.nsc.com>

Ok FSFD'ers,

I'm going to try this again.

This Saturday Afternoon from the wilds of Wyoming:

2000z - 2030z 14.050

2030z - 2100z 3.685

2100z - 2145z 7.035

2145z - 2215z 7.117

2215z - 2300z 10.115

All frequencies are +QRM, which means if  
there is QRM I'll move up 1KHz at a time  
until clear.

At the bottom of the 40m hour I'll move  
to the N/T portion of the band for those  
needing N/T priveleged frequencies.

I know there are other events going on, but  
they're QRP events so I'll have a group of  
compassionate ears.

cu there!

=====

7.3 de Michael N7MR miker@cc.com michael@frii.com

<http://www.frii.com/~michael>

QRP-L #126 Norcal #857 CQC #180



=====

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>  
Subject: [12605] FYB0 Bonus Points?  
Message-ID: <330C8311.B37@uts.cc.utexas.edu>

Hey Gang,

The weather forecast for Central Texas QRPer's is severe thunderstorm activity for the next several days...should clear about the time FYB0 ends on Sunday. Can we get "bonus" points in the FYB0 contest for each "direct" lightning strike we take???? Let's see, for a few microseconds, the flash temperature of the operating desk should reach a few hundred thousand degrees. Ought to be some bonus points for that don't you think?

See y'all on the air this weekend.

Gary, KJ5VW

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [12572] FYB0 Logsheet  
Message-ID: <199702200652.XAA21008@usr07.primenet.com>

Howdy Folks,

Here's the logsheet for FYB0. Best viewed/printed in a constant-width font like Monaco, of course. :-) 25 QSOs per sheet. Try to fill half a dozen of them!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

-----  
"FREEZE YOUR B\_\_\_\_\_ OFF" WINTER QRP FIELD DAY

OFFICIAL LOGSHEET

By Bob Patten, N4BP

CALL: \_\_\_\_\_

QTH: \_\_\_

PWR: \_\_\_

PTS

U.S. Novice/Tech = 5

Non-Novice in Novice Band = 2

All Other = 1

[illegible]


From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
 From: Joe Gervais <vole@primenet.com>  
 Subject: [12575] FYBO Packing List  
 Message-ID: <199702200729.AAA23415@usr07.primenet.com>

Howdy All,

Just for kicks, thought I'd share my "rough draft" packing list for FYBO. May give some folks ideas, others may wonder what I've left out. We'll be at 6500' with light snow on the ground, reasonably close to main roads. Low temps are expected to be in the mid-20s F. (Hope the spacing is OK...)

#### Ham Gear:

Thermometer(!)	Straight Key	QRP+ (Mike's bringing OHR-400)
Power Station	Backup battery	Ant Tuner
Logsheets	Summary Sheet	Dupe Sheet
Fan Dipole(15/20/40m)	80m Dipole	Two - 100' Coax
Wire cutters	Knife	Flashlights
500' Nylon Cord	The Comfy Chair!	Autek RF-1 w/ NEW battery
Clock/watch	Clipboard	Pens/Pencils
Spare "pigtail" power cord		
Opus the Penguin (my backpacking/multi-op companion :-)		

#### Camping Gear:

Winter Sleeping Bag	4-Season Tent	Space Blanket
Ground cloth	Therma-Rest Pad	Foam Sleeping Pad

Wool Coat	Wind Shell	Wool sweater
Wool Cap	Wool Pants	Fedora Hat (for style :-) )
Boots	2 Pr. Wool Socks	2 Pr. Polyprop. Socks
Long Underwear	Sunglasses	Shorts (ya never know!)
Cellphone or H/T	Stove & Fuel	Cookset
2 Days' Food	2 Gals. Water	Camera + Film
Survival Munchies	Maps!	Compass
"Hurricane" Matches	Sunscreen	First Aid Kit (Enhanced)

Pop Tarts and Swiss Miss instant cocoa with the little marshmallows are vital, and therefore assumed. :-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
 From: Joe Gervais <vole@primenet.com>  
 Subject: [12573] FYBO Summary Sheet  
 Message-ID: <199702200652.XAA21015@usr07.primenet.com>

Howdy Folks,

And here's the FYBO summary sheet. Also best viewed/  
 printed in a constant-width font like Monaco. :-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

-----  
 "FREEZE YOUR B\_\_\_\_\_ OFF" WINTER QRP FIELD DAY

OFFICIAL SUMMARY SHEET

By Bob Patten, N4BP

-----  
 "FREEZE YOUR B\_\_\_\_\_ OFF" WINTER QRP FIELD DAY SUMMARY

Call Used: \_\_\_\_\_ Callsigns of Operators: \_\_\_\_\_

Category: \_\_\_\_\_ (Single-Op, Multi-Op, Novice/Tech+)

Number of Novice/Tech+ QSOs: \_\_\_\_\_

QTH: \_\_\_\_\_ Highest Power: \_\_\_\_\_ W Lowest Operating Temp: \_\_\_\_\_ F

RIG(S): \_\_\_\_\_ ANT(S): \_\_\_\_\_

S/P/C Mults									
W1	CT	MA	ME	NH	RI	VT			
W2	NJ	NY							
W3	DE	MD	PA						
W4	AL	FL	GA	KY	NC	SC	TN	VA	
W5	AR	LA	MS	NM	OK	TX			
W6	CA	HI							
W7	AK	AZ	ID	MT	NV	OR	UT	WA	WY
W8	MI	OH	WV						
W9	IL	IN	WI						
W0	CO	IA	KS	MN	MO	NE	ND	SD	
VE	NS	QU	ON	MB	SK	AB	BC	NWT	
VE	NB	NF	LB	YU	PEI				
DX	__	__	__	__	__	__	__	__	__
DX	__	__	__	__	__	__	__	__	__
DX	__	__	__	__	__	__	__	__	__

Multipliers (Check any that apply)

Field Location = X4 \_\_

Alternative Power Source = X2 \_\_

QRPP (less than 1w) = X2 \_\_

Lowest Operating Temp Recorded

60+ F = X1 \_\_

50-59 F = X2 \_\_

40-49 F = X3 \_\_

30-39 F = X4 \_\_

20-29 F = X5 \_\_

Below 20 F = X6 \_\_

Final Score = \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_ PTS

QSO Pts S/P/C Field Alt QRPP Low Temp

Loc Pwr

Comments:

I have observed all competition rules as well as all regulations for amateur radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the contest committee.

Date\_\_\_\_\_ Signature\_\_\_\_\_ Call\_\_\_\_\_

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: wa5whn@juno.com (Jay D Miller)  
Subject: [12593] FYBO/Comets/Radios/APRS  
Message-ID: <19970220.082815.4447.3.wa5whn@juno.com>

@ T-minus 2 days & counting:

QRP-Lers,

For those of You camping out, Friday night, Saturday morning, about 2 hours before sunrise, take a look ENE, at the constellation Cygnus (the Swan). To the right, a few degrees, of the bottom star, in the constellation Cygnus, is comet Hale-Bopp (naked eye, estimated magnitude 2.5). The tail is ~ 2 degrees in length. OK, You can use binoculars too. (Hint: hand warm them first). Darn, where's my red light filters & star charts ? ;-)

AB7TT, you had forgotten to pack the cyalume (white) safety lights too.

I hope to work most of You during FYBO. Remember, that drifting weak signal maybe me with the chirp & the incoherent morse code. ;-) Let's see, the autodial codes are loaded into the UHF xcvr, for the autopatch. Now here is where APRS would come in handy. The locals would see You on their APRS maps, just in case of an emergency.

I will be periodically checking 21.060 MHz & 28.060 MHz & the high end of the Novice & Tech HF bands for activity.

72...Jay, WA5WHN (Frozen in Space-Time)

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Joel Malman <malman@BBN.COM>  
Subject: [12540] HB Electronics  
Message-ID: <1997022000003.TAA55736@nss2.CC.Lehigh.EDU>

Group,

Received a nice little catalog in the mail today from a place called HB Electronics. It's only 8 pages, but when you start to check it out you get the feeling they geared to the QRP person. Examples:

2222a's 12/\$1.00  
3904's 12/\$1.00  
3553's \$2.75 (seems a bit high)  
1N4001 10/0.30 (! on special)  
mpf 102 0.45  
NE602 \$2.75 (also seems a bit high)  
555's 0.55  
carbon resistors 12/\$1.00  
caps 6/\$1.00

They also have linear and audio pots for about \$1.00. They also have toroids, diodes, variable caps, an collection of PC board etching supplies. They also have some not so neat "kits".

Then you get to page 6: They have a FULL PAGE ad for Paul Harden's book (The Electronic Data Book for Homebrewers and QRPers) @ \$20.00

It appears that they don't sell alum cases though! To bad.

One other interesting note: It appears that they have NO minimum order and shipping is only \$3.00 per order.

HB Electronics  
43 Rector St.  
East Greenwich, RI 02818-3312

Phone: 401-885-2497  
Email: HB.Electronics@Businesson.com (strange spelling!)  
URL Page: <http://www.Businesson.com/HAMPARTS>

HB Electronic: If you are listening, please let us know about your company.

\*\*\* NOTE: I have NO financial ties to this company. Not even a customer. \*\*\*

/joel walqvm

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Dave Fifield <fifield@pacbell.net>  
Subject: [12577] HB: Good 'n Cheap Dummy Load Construction (long)  
Message-ID: <330C9188.FF2@pacbell.net>

Mike K1MG wrote:

> (snip) For a good dummy load:  
> Obtain a number of equal-valued non-inductive resistors. Mount them  
> with minimum length leads between two slabs of PC board material (low  
> inductance interconnection). Space the resistors apart about half  
> a resistor diameter. Use short copper strap to connect them to a coax  
> connector.....(snip)

I agree this will make a low inductance dummy load, but I also believe it can have a higher than desirable capacitance, due to a) the self capacitance of all the resistors being in parallel (hence adding) and b) the capacitor formed by the two slabs of PCB material spaced as closely as the resistors will allow being added in parallel also.

The best construction method using multiple lower wattage carbon resistors that I have come across is to use eight "strings" each consisting of four 100 Ohm resistors in series. That's 32 resistors in total, so, using 1W resistors would give you a 32W load. If you fill the tin with mineral oil, you could easily use this load at much higher wattages (I've used one at 150W for short bursts without killing the load).

The strings of resistors are wired in parallel (forming the 50 Ohm required load). They are mounted in the form of a cone from the center connection of a coaxial socket (BNC/N/PL259 - your choice). Mount the socket in the centre of the lid of the paint tin and solder one end of each of the eight strings to the center pin of the connector.

The other end of each of the strings should be soldered to the inside perimeter of the tin (thus, the cone shape). This results in a load that has minimal inductance (if you keep the strings as short as you can) and minimal capacitance (the self-capacitance of each string is now one fourth of the self-capacitance of one resistor, so the whole load now has one fourth the capacitance (roughly) of a pcb slab constructed load using the same number of resistors overall).

The cone shaping keeps the resistors apart which further minimizes inductance and capacitance effects, and allows better heat distribution in the oil. My old load (which sadly I no longer have - but I do plan to make another sometime) was checked on a network analyzer and found to present a good 50 Ohms resistive all the way up to about 250MHz.

The best sized tin I've ever found for this type of load is a Lyle's Golden Syrup 2lb tin. This item has a diameter of 3.75 inches and a height of just over 4.25 inches. BTW the syrup is nectar (much nicer than maple syrup IMHO)! You can find this food item at your local "British Food Centre" (note the spelling!). It'll take you a few months



to use the syrup, but the tin is worth the wait :-) Okay, so you can't wait, go get a 1/2 or 1 quart paint tin (make sure it really is tin plated steel though).

It may be better to construct this type of load with the tin upside down (socket placed in the center of the bottom of the tin). It'll make soldering the resistors easier, keep the strings tight and be a whole lot easier to fill with oil and seal. BTW, PL259 sockets are generally NOT oil tight; it's best to use a good quality BNC or N type here! Once you have it constructed, I suggest you seal the lid by soldering it in permanently - this will reduce the risk of it popping off and getting oil all over.

Wow, that was long... was meant to be a quick reply, but I guess I ended up writing a construction article..... Hope it was some use (?) :-)

72 de Dave Fifield, KQ6FR

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [12618] Hey... Is this thing on?  
Message-ID: <Pine.LNX.3.93.970220140227.661A-1000000@dns.vidtel.com>

Many thanks o all who helped with my recent withdrawl from QRP-L. Seems there was a minor (to them, major to me) snafu with my service provider. They have been beaten about the head and neck with wet linguine and have fixed the problem.

ObQRP: The Island Keyer is ready, the power is at 950mW on the OHR, and the wire has been measured and pruned for 7.110, all set for FYB0. And I tested the 2Ahr gel cell to see if it would run the OHR for 12 hours, all systems go! (Test consisted of accidentally leaving the rig on in the truck all night:) See y'all Saturday... 72 de N3XRV/T

-- Christopher Cartwright, Tech. Engineer		ccart@vidtel.com
-- Phone 301.990.0735 N3XRV QRP-L #655		ccart@erols.com
--		<a href="http://dns.vidtel.com/~ccart">http://dns.vidtel.com/~ccart</a>

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [12637] KS4L es AB5UA de K1MG  
Message-ID: <199702202119.PAA05853@multi13.netcomi.com>

Sorry for the bandwidth folks,

KS4L and AB5UA: I need your new email addresses for 50/40 mail.

Thanks,

Mike K1MG  
mgipe@reliablemeters.com

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [12561] LDG Electronics <ldg@radix.net>: LDG autotuner question  
Message-ID: <19970219.210342.9822.5.gsurrency@juno.com>

Gang,

Dwayne was good enough to respond very quickly to my question about the SWR sensor in the QRP autotuner. Here is what he said:

Gary Surrency AB7MY  
S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
Az ScQRPions

----- Begin forwarded message -----  
From: LDG Electronics <ldg@radix.net>  
Subject: LDG autotuner question  
From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [12560] LM386 "trick"  
Message-ID: <330BC9E8.3CD@harksystems.com>

For anyone using an LM386 audio amp IC in their radios I have a tidbit that you might find interesting. If you consider the 10uF cap across pins 1 and 8 (for more gain) a "feedback" circuit, you can tailor the feedback characteristics to roll off the audio. I added a 44mH choke in series with the customary 10uF lytic and improved the sound of this radio 10 fold. Its apparently a very low impedance path and will require some "herky" values of inductance. I also tried a 15uH with

some success, but the 44 mH rolled things off perfectly.  
I believe what is produced is a series resonant circuit in  
the feedback loop.

--

73, Randy WJ4P

QRP-L #296 ARCI #9152 1996 40-9er High Scorer Modifier of Fine Radios

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [12570] Lurker No More  
Message-ID: <199702200603.XAA05768@usr10.primenet.com>

Howdy Lorraine,

> Name here is Lorraine, AC6XK, and I've been lurking here on QRP-L for  
> several weeks now. I will be working the FYBO contest from the San  
> Jacinto Mountains in Southern California at about 8500 ft.

Glad you came out of the "lurking shadows"! :-)) In the Shrinking  
Universe category, it turns out that Lorraine and I went to high  
school together. Hadn't even occurred to me that someone I knew  
from way back then had become a ranger, picked up ham radio, and  
published an article in QST (on Field Day QRP operating, no less!).  
Wrote her some email about her article, and that's when it all  
clicked.

Was it the Hopi Indians who believe that life is just one big  
circle we all walk around?

The universe is indeed a strange, wonderful place. Welcome to  
the List!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [12581] N/T FOX Report for Wednesday  
Message-ID: <v03007800af31ffda906e@[129.74.87.62]>

\*\*\* N/T Fox Report for Wednesday, February 19th \*\*\*

TIME STNNAME ST RST NR

0312	W5XE	Ray	TX	339	256
0325	W7GVN	Rod	AZ	229	849
0413	K5W0	Bob	TX	449	273

It was a S. .L. .O. .W night!

I did have fun digging out these three contacts (actually K5W0 was as clear as could be). Poor Rod, on the other hand, had to bear with me for a number of repeats (thanks!!). I suspect that the rest of you were just out enjoying this warm weather we are having -- it was almost 50 degrees here in usually-cold South Bend, Indiana.

Glad to be your N/T FOX,

Barry Keating  
WD4MSM  
South Bend, Indiana (90 miles east of Chicago)  
MFJ 9040 running 5 watts  
Radio Shack DSP  
G5RV antenna (half-size, 52') up 30 feet

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Brian Kassel <bkassel@dancris.com>  
Subject: [12627] NC38s:(Long) ScQRPion Variable TX PWR Mod  
Message-ID: <199702202021.NAA07855@dancris.com>

Here is the way that I did a variable TX power modification the my NC38S  
It only applies to those rigs which have undergone the high power mod;  
that is, the IRF510/511 has been added.

What it does:

-----

This mod allows the TX power to be completely variable from milliwatts up to full output. The maximum power desired point can also be set.

How it does it:

-----  
The mod consists of adding a pot in such a way that a variable D.C. voltage, or bias, is added to the gate of the final FET. By varying the pot, the D.C. voltage at the gate can be varied from almost 0V (lowest power out) up to about 5.5 volts or so (highest power out).

The parts required are:  
-----

- 1.) 1 ea. pot, described below
- 2.) A 22K (depending on power limit requirements) 1/4 resistor
- 3.) A .1 UF capacitor at C-101, if you removed it per the Paul Harden Mod.
- 4.) Oh yea, some wire too to hook up the pot.

Macro instructions for the knowledgeable/impatient:  
-----

The mod only requires the addition of a 25K to about 100K pot. For this mod, the taper probably doesn't matter very much. I used a 50K, linear taper unit.  
One end of the pot goes to ground, one end goes to the cathode of D-7 via an added 22k 1/4 resistor. This resistor sets the highest available TX power out when the pot is set for maximum. The center goes to the junction of R-102 and C-102. This junction provides a +8 VDC when the key is down (R-). This voltage is varied with the pot, and supplied as the bias to the FET at the junction of R-102 and C-102. You must remove R-103 also, which frees up the circuit for the mod.

Doing the mod, step by step :

- 1.) Replace C-101 with the capacitor that you may have removed per the Paul Harden Mod. Or use a new one if you killed the little beastie on the way out.
- 2.) Remove R-103, we will use the holes left by the removal of the part to connect the new potentiometer.
- 3.) Solder one end of the 22K resistor to one end of the pot.
- 4.) Solder a wire to the other end of the resistor, and run it to the cathode or banded side of D-7. CAREFULLY solder the wire.
- 5.) Run a wire from the other end of the pot, to TOP hole, where R-102 used to be. This hole should be ground. Solder both ends of the wire.
- 6.) Run a wire from the center of the pot to the BOTTOM hole, where R-102 used to be. This is the connection to the junction of R-102 and C-102. Solder both ends.

Smoke Trapping measures:

-----

- 1.) Double check everything.
- 2.) See above

FINI:

-----

With the rig turned on and keyed, measure the DC. voltage at the junction of C-102 and R-102. As you turn the pot, the voltage should vary from about 0 to about 5.7 volts.

If you get maximum volts when the pot is CCW rather than CW, just reverse the connections at both ends of the pot.

If you find that at the maximum setting of the pot you have too much output power, then make the 22K resistor larger. If you find that at maximum setting you don't get enough output then, oh heck, you know what to do, right?

We already know that some of the final FET's are hotter than others, so of course your mileage may vary, as they say in Texas.

Credits.

-----

The original idea for this mod came from the almost-famous Dan Tayloe at our last ScQRPion get together. I just kind'a worked out the physical details.

There are of course other methods out there I am sure on how to accomplish the same end. This is simply the way that I wound up doing mine.

\*\*\*\*\*  
\* Brian D. Kassel W5VBO - QRP NERD 10 - ScQRPion # 0 \*  
\* QRP-L #404 - ARCI #3623 \*  
\*\*\*\*\*

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Jim Hydzik <congress@magpage.com>  
Subject: [12594] NJ-QRP Meeting and Swapfest  
Message-ID: <199702201521.KAA15665@alaska.magpage.com>

Hey guys,

The following is going to the Vienna Winterfest Hamfest on Sunday but if anyone wants this stuff, I can bring it to the meeting on Sat. Let me know by Friday and I'll have someone to load it in car Friday night.

Drake R-8 receiver Mint/box/manual	\$550
MFJ-9040 with MFJ-4114/MFJ-726/MFJ-412 (\$329 new)	\$195
Will sell the MFJ-4114 PowerPak/Supply for	\$ 40 (reg \$70)
Have all manuals for above.	
Yaesu FT-840 Mint Box/manual/mic	\$550
Heath HG-10 VFO matches DX-60 series nice shape	\$ 40
Dial is perfect...no cracks	
Heath VF-1 VFO matches DX-40 series fair shape	\$ 30
\with copy of assy manual/	
Hallicrafters speaker...looks brand new. Found in a box in an estate sale. Absolutely mint Small sized that is pictured on top of the SX-101 advertisements	\$ 35
Amecom S225 2 meter xcvr with mic..works every day	\$ 90
\with manual/	
Old microphones JT-30 style on table stands	\$ 30
RCA table radio from the 40's vy nice shape	\$ 25
Philips AM-Shortwave table radio from 50-60's V.G.	\$ 30
FT-2400H Yaesu 2 Mtr 50 xcvr. Used 2 weeks & put in box looks unused, orig Box/manual/DTMF-BACKLIT mic DC Cord and mounting bracket.	\$200
Datong FL-3 auto-notch audio filter (\$299 new at EEB)	\$ 95
\with orig. box and manual/	
MFJ-962C antenna tuner good shape no box	\$ 125
Murch 2 KW UT-2000A antenna tuner, sheet no box	\$ 95
Drake MN-4 antenna tuner with manual	\$ 90

This stuff is staged to be loaded into a freinds car who is taking it to the hamfest for me. Let me know by Friday if you want any of the above before he loads it up.

Vince gets the NC-88 and Howard gets the Zenith Transoceanic.

CU all on Saturday, Jim K3QIO Wilmington, DE 302-998-6953

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: George Jay Doster <doster@umr.edu>  
Subject: [12598] No Fox heard -- Sorry Barry  
Message-ID: <199702201619.KAA19060@sunny.physics.umr.edu>

Well I guess it was just too late in the evening for my usual contact with Barry. ( I say usual as Barry is the only fox I've worked -- and twice even!)

Not a peep from 4:00 to 4:35.

Oh well. On the building front I got a 49er from Serge (thanks again). I've got it all soldered up. All I need are some jacks for the key, spkr, and ant. I'm headed to St. Louis on Sat. and plan on stopping at Gateway to pick up some needed stuff. Should be fun as I only get up there about 2-3 times a year. BTW are there any hamfests this weekend (Sat) in the St. Louis Area??? Could be an awesome trip!!!

See you guys on the bands!!

Jay  
N0PMY

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [12636] No Pizza in Mudville  
Message-ID: <199702202054.UAA16051@chuck.dallas.sgi.com>

Gang,

The Friday Pizza bash in Mt View/Sunnyvale looks like a no-go at this time.



I have been scheduled by the company for another engagement at the time, thus it is one more data-point that the California group is doing everything that they can to keep me from gaining additional information on the competition. :-) ;-)

I will be free later Saturday afternoon if someone wants to do pizza then.

dit dit

Go TX.

SIG

Chuck Adams K5FO            adams@sgi.com    DXCC=9  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Mike Robinson <miker@cc.com>  
Subject: [12588] OHR400/StrayRF/Curtis  
Message-ID: <9702201431.AA13151@voder.nsc.com>

I just made an interesting discovery about my OHR400. I was trying to tune it to the colorburst frequency to demonstrate a PixieII to a friend. The antenna on the OHR400 is 40m dipole and I have a tuner in front of it.

Apparently, there is enough stray RF inside the OHR400 to mess with the Curtis keyer. It was keying in semi-mode-B. The dits are ok, but the dahs want to finish with an extra element. I don't normally use mode-B because I've never understood it.

So if you're loading a non-resonant antenna and your keyer does funny things, try moving to a different frequency and testing it before [\*P,%A#N)I\$C@KI#!NG(>. ;^}

=====  
7.3 de Michael N7MR            miker@cc.com            michael@frii.com  
                                 http://www.frii.com/~michael  
                                 QRP-L #126            Norcal #857            CQC #180  
=====

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: John Seboldt <rohrwerk@pconline.com>  
Subject: [12580] PA lowpass filters and impedance matching  
Message-ID: <Pine.LNX.3.91.970220064020.4201C-100000@newton.pconline.com>

A couple of things came together in my recent upgrades to my portable 40/20 meter rig. Its final is based on W1FB's notebooks -- the 5-watt nominal broadband final with a feedback winding through the output transformer. I was using an NTE236 transistor -- rated at 12 watts output in SSB service up to 50 MHz -- and I had lots of problems getting more than 3.5 watts output on 20 meters, when I could easily get 9 watts on 40. Now of course these amps won't be totally flat even with feedback, but I thought this was not too good, so I proceeded to dig deeper.

Surprise! Even a hefty driving power (up to 1 watt!) did not push that durned transistor beyond 3.5 watts! Hmmm...

Well, the big thing I had forgotten was a capacitor at the transistor output to suppress those little VHF parasitics! Sure enough, 200 pF let me soar right up to 9 watts at 20 meters with the hefty driver.

This was fine when watching the unfiltered output on my scope into a dummy load. But... now why the heck am I back down to 4 watts when I put that durned lowpass filter back in, I thought? (40 meters was still an FB 9+ watts max...)

After some more headscratching, it dawned on me that all impedance matching with a broadband transformer is an approximation .. and I also surmised that impedances might remotely be different at different frequencies... and I remember Wayne Burdick mentioning how folks got tons more output in their Sierras by squeezing/stretching the turns on their output toroids (Dec. 1994 QRPp...)

So, fiddling with the lowpass filter finally maximized the output! It was a five-element lowpass filter with 2 coils, and adding a turn to the input coil and removing a turn from the output coil let me get finally a full 9+ watts on 20! How did I figure which direction to go? Squeeze the turns and see where the power went. If you squeeze the turns on the toroid and the power goes up, you need more inductance. If you spread 'em, and the power goes up, you need less. And verse visa -- er, vice versa...

Lacking instruments and energy to make full impedance measurements, from the evidence above I conclude that the actual PA impedance at 20 meters is somewhat higher than 50 ohms, since a lot of older projects in QRP

Classics or such use lowpass filters as matching networks, usually with lower inductance/higher C on the input (less than 50 ohms to match the collector) and higher inductance/lower C on the output (50 ohms)

The moral of the story: a little fine tuning could go a long way toward improving your output and/or efficiency, especially on the higher bands. Just because your kit doesn't provide trimmers on the output networks, don't assume that you can't goose that little final for a bit more.

John Seboldt K0JD

<http://www.pconline.com/~rohrwerk/k0jd/>

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: john andrews <jm165723@eee.org>

Subject: [12624] Parts for sale: still cleaning out the shack

Message-ID: <330CAA2C.1A9C@eee.org>

Hi Gang:

Still cleaning out the shack. Ask for a list and will send an attached file.

A few of the offerings:

455 khz Collins filter F455 FA 05 7331 (500 hz.)

Patco industrial wire stripper. heated element type. set the guage, insert wire, twist 1/4 turn. 110 vac.

Semi-Auto mobile tuner. Most of the hard to find parts(boards/Roller inductor,motor)

sstv kit(very simple- 741 op-amp)

Crystals, inductors, lots of stuff-

72, John-N5INZ

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: Joe Gervais <vole@primenet.com>

Subject: [12556] QRP WAS - Happy Dance Time!

Message-ID: <199702200141.SAA08826@usr05.primenet.com>

Howdy Folks,

<tap-t-tap-tap tap-t-tap-tap-tap>

Hear that? That's my feet. They're doing the Happy Dance.

Today I turned 30 years old. So why am I so happy? Well first off, I don't place much stock in the significance of round numbers in the base 10 numbering system (needless to say the Millenium Doomsday craze has passed me by too... :- ) ).

Secondly, I just worked Tom (W1EAT) in VT for my final state for QRP WAS! WAHOO!!! A FSFD success! Tom did a \*great\* job of pulling in my signal through the mud. I'd been stalking him on 40m, but the static crashes and deep QSB kept wiping him out. Think he'd heard me once before, but he'd disappeared before I could find out. Then an S9+30db sig showed up 200 Hz away and crushed my receiver. Argh! \*Finally\* he popped up to a solid 229 and we connected! Time for the patented Happy Dance!

SASE is in the mail, Tom! Now if I can just get a QSL out of that Mississippi ham.... Many thanks to Jim (K3QIO) for setting up FSFD, and to all the FSFD ops! One heck of a great birthday gift!

PS- How old do I have to be to learn that Secret O.F. Handshake? :-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Stan Skelton <sskelton@c1n.etc.bc.ca>  
Subject: [12620] QRP-L: 38 spec /88 spec??  
Message-ID: <Pine.SUN.3.95.970220110928.25210A-100000@c1n>

Has anyone tried to make the 38 spec into an 80 meter rig or is this going to get me shot?

Stan VE7SKT, qrp-l #34, OHR Sprint 80

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: ukii@megsinet.net (ukii)  
Subject: [12546] QRP: What constitutes...  
Message-ID: <01BC1E94.EFE3AD40@randolph2er1-23.megsinet.net>

Howdy Doody Gang.

Well, thanks to someone, I just found the ARCI QRP page on the web.  
While reading it (no pictures! HI) I noticed qrp power is 10watts PEP  
for SSB... What gives? I thought it was 5 watts, set along time ago by some  
old flatulator... I know that TEN-TEN is now catering to QRP folks, and they  
also state 10pep for qrp...

Please, when did this increase happen, or was I misled by the multitudes?

Thanks ...

john  
n9ukx

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: wd4et@juno.com  
Subject: [12639] QRPp  
Message-ID: <19970220.175142.13006.0.wd4et@juno.com>

All,

The post office finally delivered my copy of the December 96 QRPp  
today. Since I have already received the 96 reprint volume, this one is  
extra.

I don't know any way to do this fairly. But, I will send it to  
the first responder that had theirs lost in the mail.

Let me know via email and I'll send it out this weekend.

73, Jeff WD4ET (wd4et@juno.com)

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Allen Jones <ajones@adsnet.com>  
Subject: [12628] QRPp - Patience  
Message-ID: <1.5.4.32.19970220202506.006a8dd8@adsnet.com>

I've noticed the messages flying back and forth here on the reflector from U.S. NorCal members regarding non-receipt of QRPP. Have just a little more patience gang. The December issue went out late and I'm sure you're all aware that bulk type mail is very sloooooow. I just received my issue today in NW Indiana - 50 miles east of Chicago.

72/3, Allen Jones - W9DZ  
Michigan City, IN  
ajones@adsnet.com

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: k4wz@juno.com (RON L TODD)  
Subject: [12601] QSL  
Message-ID: <19970220.163322.4607.12.k4wz@juno.com>

THANKS FOR ALL THE HELP ON QSL VIA LOOKUP@QRZ.COM  
GOT IT NOW.....

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET  
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: k4wz@juno.com (RON L TODD)  
Subject: [12582] QSL ADD  
Message-ID: <19970220.134033.4607.0.k4wz@juno.com>

WHAT IS THE QSL INFO FOR W1AET PSE

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET  
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [12600] Rainbow Tuner - the home stretch  
Message-ID: <970220113002.206055db@cayman.vf.mmc.com>

Gang,

All the pieces (literally) are coming together for the NJQRP kitting.

The majority of the parts are in hand, the protos work (whew!), the proto lessons learned have been cranked into the final design and a shipment of pc boards is due momentarily (Is that the UPS truck I hear?)

Not only that, but NJQRP is having a meeting this weekend to stuff parts in bags, etc. We \*say\* it's a club meeting, but actually it's a thinly diguised ruse to get a bunch of cheap labor :-).

The manual will be the last item finished and it is nearly ready for reproduction. And the delay there is because of me - Yeah, I know, shoot the engineers and let's get into production!

Thanks to all those who have ordered kits so far for their patience. We will start shipping next week for sure. We (NJQRP) think that the final proudct will be well worth the wait.

BTW, orders are still coming in. We originally said that we could cut off orders on Feb 15, but decided that due to demand, we would continue accepting orders past that date (and our self-imposed 300 unit limit). The later orders will be filled by our second run of kits!

Speaking for NJQRP

72/73,

Joe E., N2CX

For Rainbow questions, please e-mail me at [n2cx@voicenet.com](mailto:n2cx@voicenet.com)

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: "Ed Manuel" <n5em-qrp@msn.com>

Subject: [12562] Review: ARRL Handbook on CD

Message-ID: <UPMAIL06.199702200412100637@msn.com>

Gang,

This thing is so cool. I love it.

(What, you were expecting an essay?)

Ed, N5EM

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: k4wz@juno.com (RON L TODD)  
Subject: [12589] sale or trade  
Message-ID: <19970220.143211.4607.5.k4wz@juno.com>

FOR SALE OR TRADE FOR SOMETHING QRP  
MFJ TNC-2 MODEL MFJ-1270C 9600 BAUD

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET  
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Stephen Gibson <SWGibson@worldnet.att.net>  
Subject: [12599] Spectrum allocation  
Message-ID: <19970220162500.AAA8344@LOCALNAME>

FY0. Those interested in the allocation of the spectrum might want to take a look at a book called "Spectrum Guide" by Bennett Z. Kolb, KC5CW. It gives the allocations in the US from 30 MHz to 300MHz and is available from New Signals Press, PO Box 435, Falls Church, VA 22042-0435. There is a web site given on the title page <spectrum@newsignals.com>. The usual disclaimers, whatever they might be, apply.

Steve Gibson, WB4NBI

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Glenn E. Scott" <scotty@facade.adm.clarkson.edu>  
Subject: [12590] Ten Tec 1340  
Message-ID: <77C7FB079B5@FACADE.ADM.CLARKSON.EDU>

Well got the little jewel together after some minor problems and was wondering if anyone out there experinced the same types of problems.

First, the kit come with no 11mhz crystal. Called Ten Tec and they shipped me a package of crystals. Later I was to discover that, in that package of crystals, there was a bad one. Wish I would have know that before I had installed them. What a job that was, finding the culprit.

Second the traces come off the board up in the upper right hand corner of



the board ( area of C69). Used hook up wire to fix the traces.

Now, I find that there is alot of receiver noise ( IF noise, I think)  
The noise (hiss) is louder than the atmospheric noise in the background.(QRN) If I take the audio out of the 1340 and feed it into my Radio Shack DSP, the noise leaves and CW notes are crystal clear. Without the DSP the CW notes sound distorted and most of the cw signal on the air are down in the mud until I run the audio through the DSP also.

I have called Ten Tec and shared all of my experiences with them and they assured me that the pc trace problem had been taken care of and if I was to buy another kit that I would not have any problems with the traces. That is good news for future kits. They claim the receiver noise is due to (quote) "a hot LM386", which they are sending me a new one to replace the original with.

My question is, "Does anyone have any other suggestions on what I might look for to clean up the noise. Seeing how I have to take the little gem apart and desolder and replace the LM386. I would like to know what else I should look for. I would like to do this once if possible ( taking the little jewel apart, that is)

Any ideas would be greatly appreciated.

" 73 " N2ULU (GLENN SCOTT)

QRP-L #403, NE QRP #448, NCARC

Scotty@facade.clarkson.edu

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: ka0yos@arn.net

Subject: [12645] Ten Tec 30 meter QRP rig

Message-ID: <199702202312.RAA20044@arnet.arn.net>

My Dad said his Ten Tec 30 meter QRP rig kit arrived Friday. Anyone got one running yet?

72,

Joe ka0yos

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: "Gary R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>

Subject: [12541] TenTec 1340, new boards

Message-ID: <330B98A5.5F1B@edcen.ehhs.cmich.edu>

In talking with Garry Green of TenTec today, he informed me they are changing the PC boards on the TT 1340 unit. I am sure this is an "improved" version of PC boards as the first batch must have had some problems (as mind did with an etching problem, TT is replacing the full kit at no-charge).

Guess TT is listening to the qrp op's and getting a better board ready for the next batch of 1340's being bagged and boxed tomorrow, Thursday Feb. 20th.

Gary/N8AYY

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [12638] TEST - JUST DELETE  
Message-ID: <Pine.LNX.3.93.970220174359.1202A-1000000@dns.vidtel.com>

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: kb0rol@juno.com (Bradley L Mugleston)  
Subject: [12563] Thanks  
Message-ID: <19970219.212914.7271.9.kb0rol@juno.com>

Thanks for everyone that responded about my resistor for the 38 Special. One should be R20 the other is R201 (next to the keyer) Of course I put it in the wrong place!

Thanks again for the dozen responses.

Brad Mugleston - KB0ROL  
Colorado QRP Club # 170, QRP-L #316, ARRL  
QTH - Aurora, CO - DM79oq  
KB0ROL@JUNO.COM  
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Robert Penneys <radio@UDe1.Edu>  
Subject: [12552] Value of HW-8?

Message-ID: <199702200127.UAA09884@copland.udel.edu>

My buddy has an HW-8 he doesn't need, with manual, in good shape, gone over by our own WA8MCQ a while ago and not used since. Any idea what such a critter might be worth?

Tnx, Bob

Bob Penneys N9GG (Recently WN3K)      Trustee W3TT, W2JJ

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From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Steve Bornstein <saborn@freenet.columbus.oh.us>  
Subject: [12548] VT W1EAT  
Message-ID: <Pine.3.07.9702192049.A8687-7100000@login>

G'day All

Tom is currently on 3.559.7 (0112z).

73, Steve K8IDN

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: nskousen@scientech.com (Niel Skousen)  
Subject: [12613] Walmart 900Mhz V.net ?  
Message-ID: <v02140b07af324315886c@[198.60.91.132]>

I am looking for a couple of walmart 900MHz v.net walkie talkies to playwith (understand that these are basic spread-spectrum, unlicensed HT's...) Anybody have any for sale ? information pointers / URL's ?

TNX Niel

Niel Skousen  
nskousen@scientech.com

Znn

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Robert Penneys <radio@UDe1.Edu>  
Subject: [12553] Wanted: Scout 30, 17 modules  
Message-ID: <199702200128.UAA10998@copland.ude1.edu>

If you happen to have used modules for the Scout for 30 and 17 meters that you're not using and might want to part with, please let me know.

Tnx Bob N9GG

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [12597] What's a "QSO"?  
Message-ID: <2.2.16.19970220155724.18bf802c@eloi>

I had a new experience yesterday in my 46 years of hamming: I had a QSL card returned because the information was "incomplete" and would not be "acceptable to the ARRL for WAS"! What was the problem? Well, according to the gentleman that returned it, it did not have "two way" or "2X" noted. It did, however, state: "Confirming QSO with ...".

If you look up the definition of "QSO" in the ARRL Handbook (or elsewhere), you will see the words "communicate with" (not \*to\* but \*with\*). Look up "communicate" and you will see something like "convey knowledge or information". Therefore "Confirming QSO with ... " is the same thing as stating "Confirming exchange of information with ... ". QED.

There are lots of things in the world worth getting up-tight about, but this ain't one of 'em, folks! The People in Newington really aren't out to "get you" and keep you from having that WAS, DXCC, etc. award that you so dearly desire. Use some common sense. Really.

72, Larry W1HUE/7

PS to You-Know-Who-You-Are: Yes, I did send another card, just to make you happy! :-)

(PS)^2 -- Please address all comments to: w1hue@null.dev

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Gary M - W2UX <MAIL4GARY@worldnet.att.net>  
Subject: [12633] Why did QST print it??  
Message-ID: <19970220204035.AAA6130@GARY>

My question is "Why did QST print an obviously childish stab at QRP". They must be getting short on things to print in the Correspondence section of the magazine. I think that everyone on the list should send QST a tastefully worded reply to the letter in question. It is our hobby and they tell us it is our magazine. Let them know that we did not particularly care for the negative press.

One man's opinion.

73/72

Gary - W2UX  
CW is the REAL THING!

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: w8lrm@qtm.net  
Subject: [12647] Why QRP ?  
Message-ID: <199702202328.SAA10476@garcon.qtm.net>

I wonder why it is that all these people that grumble about QRP'ers are the very same ones that never say a word one way or the other when they work us in a contest without so much as a whimper. They sure want the points then !!

I think most of them are jealous that we are able to do a lot with a little and even give them a run for their Mega-Bucks !

Some may get mad but I think they suffer from "The CB syndrom", More is better, More more is Better better. They have never had to build equipment. Many of us remember when there were no "Rice Boxes" and the US

equipment was way beyond the means of the average Ham.

To each , his own.....  
.....de....W8LRM.....Al

MI-QRP #41    QRP-L #532    QRP-ARCI #6524  
G-QRP #4152   NOR-CAL #246   CQC #289 (EN62RE)  
>From Southwest Michigans Sunset Coast:  
Saint Joseph, Berrien County, Michigan !

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: James Bennett <james@research.nj.nec.com>  
Subject: [12609] Why QRP? letter  
Message-ID: <Pine.sol.3.91.970220121531.10968B-100000@shakti>

At first glance, I was somewhat irritated by the letter. On Tuesday evening I gave a talk/demo on QRP at a local club meeting. I decided to open my presentation by reading the letter. It really seemed to get the discussion flowing. I then played a tape of a couple of my Monday evening fox contacts to demonstrate what a QRP contact sounds like on the receiving end.

I also showed off my 40-9er, 80-9er and 38 special as well as a Rainbow Bridge/Tuner prototype.

>From the comments that I received, I think the talk stirred up some interest especially in kit building. I strongly encourage everyone out there to offer to give a presentation at your local ham club. I just basically told them how much fun I was having with QRP and as far as the letter, well, if we are having so much fun that it irritates some people then we must be doing something right.

We do have to realize, however that our signals are sometimes tough to copy and we should really go out of our way to thank the other operator for their efforts. So let's not go overboard in feeling a need to slam this individual.

Thanks,  
James Bennett  
KA5DVS

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: n4js@amsat.org  
Subject: [12642] WM-2 Wattmeter

Message-ID: <XFMail.970220173943.n4js@amsat.org>

Well, to get my feet wet again, before I start on the Sierra, I built the OHR WM-2 QRP wattmeter this afternoon. Worked great, first time. Very interesting. I found my QRP+ puts out a good 4 watts (on 40), the old Argo 505 about 2.75, and my little HB 40 meter rig 3.5. I always though the Argo put out more.

Oh well, now, shall I build my LDG QRP tuner, or jump right into the Sierra?

Sent at 17:39:43 on 20-Feb-97

```

      John L. Sielke n4js@amsat.org n4js@pobox.com
| \ | | | | _ | | / _ | n4js@n4js.ampr.org NJ Grid:FM29LN
| . ' | | _ _ | | | | \ _ _ \ http://www.pobox.com/~n4js
| _ | \ _ | | _ | \ _ _ / | _ _ / NJ-QRP #57 QRP-L #884 QRP-ARCI #9328
NE-QRP #507 G-QRP #9544 Norcal #???? QCWA Life Member
```

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: [12558] [listproc@lehigh.edu: Error Condition Re: fox]  
Message-ID: <9702200341.AA03948@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: listproc@lehigh.edu (unknown)  
To: af852@rgfn.epcc.Edu  
Subject: Error Condition Re: fox  
Date: Wed, 19 Feb

V31XE@dzdn.com: You are not subscribed to qrp-l@Lehigh.EDU.  
Your message is returned to you unprocessed. If you want to subscribe,  
send mail to listproc@Lehigh.EDU with the following request:

subscribe QRP-L Your Name

This message cannot be resent again from your address shown above, unless  
its body is slightly modified.

---

>From V31XE@dzdn.com Thu Feb 20 03:19:34 1997  
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.lehigh.edu  
with ESMTP id <35155-34610>; Wed, 19 Feb 1997 22:19:27 -0500  
Received: from wg.dzn.com (wg.dzn.com [205.148.193.2])

by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with SMTP id WAA166423  
for <qrp-1@lehigh.edu>; Wed, 19 Feb 1997 22:19:16 -0500  
X-ROUTED: Wed, 19 Feb 1997 20:24:18 -0600  
X-TCP-IDENTITY: V31xe  
Received: from s123.dzn.com [205.148.193.123] by wg.dzn.com with smtp  
id \$T105342 ; Mon, 17 Feb 1997 21:19:46 -0600  
Message-ID: <33094923.602F@dnz.com>  
Date: Mon, 17 Feb 1997 22:16:03 -0800  
From: "William R. Colbert" <V31XE@dnz.com>  
Reply-To: v31xe@dnz.com  
Organization: yes  
X-Mailer: Mozilla 3.0 (Win16; I)  
MIME-Version: 1.0  
To: qrp-1@Lehigh.EDU  
Subject: fox  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, I heard Larry, W1HUE, a couple of other stations calling the fox,  
finally hear the fox and some XE2 station comes on and does not know  
what QRL means. Then he gets into a qso before the RTTY station cleans  
the freq. What a disaster. Oh Well, maybe the next foxhunt will  
enjoy a little respect. Somehow I doubt it. Some people are really  
stretching the definitions of -----.

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146  
(also af852@rgfn.epcc.edu)  
El Paso, Texas

--

This message sent via The Digital Zone Internet Services of El paso  
<http://www.dzn.com>

--

Ray Colbert, W5XE/V31XE, El Paso, Tx

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bob White <bobwhitewo3b@geocities.com>  
Subject: [12630] Re: "Guns n Roses" NC38S  
Message-ID: <330CB628.69CB@geocities.com>



The W03B homepage is

[HTTP://www.geocities.com/~bobwhitewo3b](http://www.geocities.com/~bobwhitewo3b)

Vice

[HTTP://WWW.GEOCITIES.COM/~BOBWHITEW03B](http://WWW.GEOCITIES.COM/~BOBWHITEW03B)

There is a secondary address for the homepage

[Http://www.geocities.com/siliconvalley/5582](http://www.geocities.com/siliconvalley/5582)

72,  
Bob

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: john andrews <jm165723@eee.org>  
Subject: [12565] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <330BD407.1E06@eee.org>

and even a DEAD hams column! Now I know that QRP rates more

> column inches than a bunch of old dead guys!

Certainly gives one pause.....

John- N5INZ>

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Tom Bowman <tbowman@nbn.net>  
Subject: [12578] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <2.2.32.19970220111102.00705760@nbn.net>

At 03:51 AM 2/20/97 +0000, you wrote:

> 3. Write an article for your local newspaper about QRP.  
>  
> 4. Contact your local PBS outlet and try to interest them in doing a  
> locally produced special on ham radio in general and QRP in particular.

Rich, your suggestions on spreading the word about QRP are all good.

As a writer for a daily newspaper, I'd only suggest supplying a "hook" to the story.

The hook is what the story hangs on, the reason the story is written TODAY.

Plus, try to point out why the reader should care about QRP operation, care enough to read through the article.

Some of the reasons are easy for hams to overlook, like here is someone who will spend this weekend camping in the snow on top of a mountain.

Right there you captured the reader's interest.

When you tell the reader the ham uses code and a rig operating on less power than the average flashlight, and contacts hams across the U.S., maybe around the world with a radio they built, the story is great.

Now the bad news: Give the newspaper three weeks or so notice this is going to happen so they can plan to cover the event....

73,  
Tom, WA3REY

-----

Tom Bowman, WA3REY <>< Mount Gretna, PA 17064 tbowman@nbn.net

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [12584] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <199702201405.HAA19614@dancris.com>

At 03:51 AM 2/20/97 +0000, you wrote:

>It's been a while since I posted anything to this group, however the letter  
>that appeared in March QST, pg 24 entitled "WHY QRP?" by Adam McLaughlin,  
>KD6POC, certainly aroused my interest. At the risk of needing my flame proof  
>undies, here is my two cents worth.

>

>

I haven't gotten my copy of QST yet, so I haven't seen the article (letter?). But I did send Adam a note via e-mail briefly explaining why we do it, and inviting him to turn his power down and join us in the FYBO and CQC contests this weekend. We'll see if he does or not.

It's interesting, also, that with the recent (aborted, hopefully) attempt to regulate, manage, control or whatever, the rf output based on environmental

concerns that people still want to use the maximum power allowed, not the maximum needed.

73,

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>

Subject: [12587] Re: "WHY QRP?" letter in Mar QST

Message-ID: <199702201428.JAA82985@nss2.CC.Lehigh.EDU>

----- Begin Forwarded Message -----

It's interesting, also, that with the recent (aborted, hopefully) = attempt to

regulate, manage, control or whatever, the rf output based on = environmental

concerns that people still want to use the maximum power allowed, not = the maximum needed.

73,=20

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260 =20

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL=20

<http://www.dancris.com/~ki7mn>

----- End Forwarded Message -----

Sorry, not really QRP related but the frame of mind issues are !!

I find it interesting that speed limits are not interpreted as such, = i.e.,

limits - just because the speed limit sign says 45, it doesn't mean you have to drive 45 - that is just the maximum allowed speed for that = zone.

Now, I know that many, many folks drive much faster than the limit, and most people yield dirty looks to anyone even driving the limit.

Guess it is the digital age - its either 0 or 1, stopped or all the way = to

the floor. What we in QRP realize is there are many times where = moderation

is the key !!!

72 de n3qoo

john

-----

John A. Evans                      Chief System Administrator  
Office: (719) 528-1800 x164              Titan Client/Server Technologies  
Fax:        (719) 528-1275              1115 Elkton Dr, Suite 200  
email:    jaevans@cos.cst.titan.com    Colorado Springs, CO 80907-3535

-----

Norcal   #262   QRP-L   #219   QRP-ARCI   #8303   NE-QRP   #213   CQC   #045  
CQrp     #15    NJ-QRP   #50    AK-QRP     #52    NW-QRP   #454

-----

From owner-qrp-l@Lehigh.EDU   Thu Feb 20 18:05:34 1997  
From: martin38945@juno.com  
Subject: [12604] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <19970220.115703.8599.1.martin38945@juno.com>

Dear Friends,

Concerning Adam McLaughlin's (KD6POC) correspondence on    page 24    of  
the March '97    issue of    QST:

Come on folks.   Adam has got to be:

- a) very young
- b) a relatively new ham without a basic grasp of ham 'reality'
- c) extraordinarily simple minded and naive
- d) suffering from a hearing impairment
- e) all of the above

While I question whether Adam's letter was anything more than him venting his frustration over some unfortunate experience with a QRPer... or QRPer's in general... I do believe that it represents the sentiments of a very small number of amateurs.   If one looks over past issues of QST... it is easy to find other letters that are just as silly.   And make no mistake about it, Adam's letter is childish and silly.   But the ignorance displayed in that letter is not malicious ignorance... it is childish ignorance... and there is a difference.

The reason *\*we\** are discussing Adam's letter is because it is our ox that was gored... QRP.   A thoughtful rebuttal sent off to ARRL HQ will suffice.   I don't think anyone has to worry about any threat to the QRP niche based on the writings of KD6POC.   Now... if we could only convince that XE2 to quit calling CQ on top of us... now that is *\*real\** threat.

Martin W9XN QRP-L #998

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: martin38945@juno.com  
Subject: [12619] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <19970220.140949.8599.9.martin38945@juno.com>

Here are the correct answers to my one, multiple choice, question quiz.

Dear Friends,

Concerning Adam McLaughlin's (KD6POC) correspondence on page 24 of the March '97 issue of QST:

Come on folks. Adam has got to be:

a) very young

He just turned 17 years of age.

b) a relatively new ham without a basic grasp of ham 'reality'

He has been a ham for 6 months

c) extraordinarily simple minded and naive

He legitimately passed his extra (I presume) so perhaps the 'simple minded' wasn't fair. But I stand by the assumption of naivety.

d) suffering from a hearing impairment

If hearing QRPer's is that difficult for him... something must be wrong. Maybe he should consider pushing the '30 db attenuation' button on his rig. I think it has been engaged ever since Santa brought him his HF rig in December. At 17, I think Santa still puts gifts under his tree.

e) all of the above

Not quite... but close.

With good care and nurture, Adam will someday be in there building QRP rigs and braving the QRM/QRN/XE2's. Let's not be too tough on him... or the ARRL... for publishing the letter of an adolescent who just happened to be frustrated with something he hasn't given himself a chance to understand. After all... Adam does have a right to an opinion and the right to express it... even if it is a 1/2 baked opinion.

vy 73,

Martin W9XN QRP-L #998

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [12623] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <Pine.SUN.3.90.970220112805.13621D-100000@vortex.sage.dri.edu>

Hi All,

Maybe QST did us a favor by printing this letter.

Look at how many people have mentioned all the different reasons they have for QRP!

Bet that letter has made more of us think than anything since the 38SPL hit the mail boxes!! :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [12625] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <330e86d1.41743506@smtp.usit.net>

On Thu, 20 Feb 1997 11:57:21 EST, martin38945@juno.com wrote:

>Dear Friends,

>

>Concerning Adam McLaughlin's (KD6POC) correspondence on page 24 of  
>the March '97 issue of QST:

>While I question whether Adam's letter was anything more than him =  
venting

>his frustration over some unfortunate experience with a QRPer... or  
>QRPer's in general... I do believe that it represents the sentiments of =  
a

>very small number of amateurs. If one looks over past issues of QST...  
>it is easy to find other letters that are just as silly. And make no  
>mistake about it, Adam's letter is childish and silly. But the =  
ignorance

>displayed in that letter is not malicious ignorance... it is childish  
>ignorance... and there is a difference.=20

>

>The reason \*we\* are discussing Adam's letter is because it is our ox =  
that

>was gored... QRP. A thoughtful rebuttal sent off to ARRL HQ will  
>suffice. I don't think anyone has to worry about any threat to the QRP  
>niche based on the writings of KD6POC. Now... if we could only =  
convince

>that XE2 to quit calling CQ on top of us... now that is \*real\* threat.

I agree that this op-ed piece presents no threat to QRP. If anything, it will ask people to consider their own position, pro or con, on QRP. While there is a certain "herd mentality" to amateur radio, most will know at least one QRP'er, and be favorably impressed.

I also submitted an op-ed piece about a month ago, presenting what I thought was a new perspective on the code requirement. Basically, by demanding code proficiency, we are making CW something to be dreaded, rather than fun. I also challenged them to create a membership status (voting, with no member benefits) allowing \*all\* radio amateurs to be members, at no charge. If they are serious about representing Amateur Radio, why not open the ranks to everybody?

My article also mentioned the expense involved in ham radio. We need more homebrew kits, providing good results for the novice builder, even at QRO powers. Priced right! (my specific challenge was essentially a Heathkit-type kit, all band all mode, for less than \$100 -- not an easy task, but if challenges were easy, we wouldn't be in QRPland).

My article was returned with thanks for "allowing [them] to look at it", so I guess it will be file-13'd.

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Rich Arland <qrp-rich@postoffice.worldnet.att.net>  
Subject: [12643] Re: "WHY QRP?" letter in Mar QST  
Message-ID: <19970220230647.AAD14467@LOCALNAME>

At 04:12 AM 2/20/97 +0000, you wrote:  
>Just noticed your Email address....."qrp-rich".....NICE name!!  
> HI HI!!  
>  
Yeah, and it was a great pick up line in bars: "Hi! I'm rich!" :)

73 rich K7SZ

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [12611] Re: "WHY QRP?" letter in Mar QST (long)  
Message-ID: <19970220.103820.9958.0.gsurrency@juno.com>

Bob, KI7MN wrote:

>It's interesting, also, that with the recent (aborted, hopefully)  
attempt to  
>regulate, manage, control or whatever, the rf output based on  
environmental  
>concerns that people still want to use the maximum power allowed, not  
the  
>maximum needed.

Bob sure does bring up an excellent point here! Wouldn't you think that



with the recent attempt by the government to impose power level restrictions on the ham community that the ARRL would encourage interest in low power (QRP) operation? I DO appreciate that the ARRL fought this madness to further control our "supposed" freedoms in this country, but the present attitude of the ARRL on QRP operation is hard to explain. Guess it's just one of those paradoxes in life that never seems to change.

QRP or QRP related articles should be a regular feature in QST. The construction articles always interest me more than the other stuff. But I do like to read the DXpedition stories, and some of the testimonials. The technical stuff just makes me think more and sticks with me.

The QRP publications that are available are good to fill that void. Heck, with the volume of technical exchanges that take place on this list, it's a good place to be as an alternative to a subscription!

Kilowatt amplifiers, rice boxes, and contest operators are not all that ham radio is about. They DO make for more advertising revenue, I suppose. They also have their place in the hobby, and allow operation under less than ideal conditons and in DX work. In the same way, so does QRP.

I support the ARRL anyway. Until we get something better, they're all we have to represent us. Better to try and change them from inside their membership than from outside. it. Ham radio needs diversity. We just need to keep bringing this topic to the ARRL's attention and keep prodding for recognition. Look at all the good companies we have today in the QRP kit business. They all give us some good support now that HeathKit is gone. :-(

I do find it very interesting that they have room for Silent Keys, but no room for QRP articles. Does anybody there remember Doug DeMaw anymore? I bet there have been few contributors to equal the excellent articles and books he wrote for the ARRL. Lew McCoy and Wes Hayward come to mind also as wonderful contributors of QRP related subjects.

I primarily read QST for the technical stuff, not the operating columns.

And my shack has lots of ARRL publications, so the ARRL is to be commended for its long history of good technical references.

But, Ham Radio Magazine was always my favorite. IMHO, there just can't be too much technical content. I really doubt I would still be active in ham radio if I had never built anything. "Appliance Operators" just don't seem to last very long, do they?

I fear the "dumbing down" phenomenon is at work here, as it is throughout much of our society. That's why I find some solace in this list and its wonderful membership. Thanks, guys.

Please excuse the bandwidth. Stay tuned for the next program. ;-)

vy 73,

Gary Surrency AB7MY

S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Az ScQRPions

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: "Marcus Leatham" <leatham@nortel.ca>

Subject: [12617] Re: "WHY QRP?" letter in Mar QST (long)

Message-ID: <199702201850.NAA95763@nss2.CC.Lehigh.EDU>

Group:

I've been a ham since 1969. I took a National Radio Institute correspondence course to get my ticket. I started out as a two-year "use it or lose it" Novice with a 15-W crystal-controlled CONAR tube kit transmitter and a matching CONAR tube kit superhet receiver. Not a single signal design. Straight key. Tune up using a light bulb in the plate circuit to show current. Throw a manual coax switch and a receiver mute switch to do the T/R switch. No QSK. Today's QRP radios remind me of those first radios of mine, except today's QRP radios perform a lot better. Operator skill was a definite factor. I had to fight the urge to turn the receiver's VFO knob once I had a QSO going, or else I'd lose the other station. With today's YaeKenIcTen radios, just remember the digital dial setting and you can't lose the other station. QRP-ing takes me back to those good old days, and I love the inexpen\$e of it all.

Where's this all going to? Read on! I'm getting to the point....

I'm new to QRP-ing so I think I can tell you how most other hams feel. The average ham goes out and spends several kilobucks on his radio because he wants top performance and you can't blame him. QSOs on the air always start off with signal reports and equipment comparisons. It gets to be a competitive thing. Over time, he pops for better rigs, a linear, a tower, a rotator, a beam.... When this ham finds himself in a QSO with another ham who only spent

\$25 for a radio, and what's more, this \$25 radio is putting in a FB signal, this ham feels a little bit foolish. Some hams even break off the QSO as soon as the other operator tells what he's using. Some hams get upset and write a letter to QST.

All I can say is, live and learn. Money isn't everything. We should be patient while these other hams learn what we know.

Regards,  
Marcus Leatham KR5N  
Dallas, TX

+-----+  
| My life is based on a true story. |  
+-----+

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Marcus Leatham" <leatham@nortel.ca>  
Subject: [12603] re:38 Special, Some bad crystals  
Message-ID: <199702201658.LAA170887@nss2.CC.Lehigh.EDU>

Sorry to post the entire group, but Doug's email return address bounced. Hopefully, he'll see it here.

Doug:

I just checked my 2 38 Special kits. Each kit has a bad crystal as you mentioned in your recent email.

Please send two replacement crystals to me:

Marcus Leatham KR5N  
5008 Blair Oaks Place  
The Colony, TX 75056

Regards,  
Marcus Leatham KR5N  
Dallas, TX

+-----+

| My life is based on a true story. |  
+-----+

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: k5zty@juno.com (WILLIAM A STIETENROTH)  
Subject: [12550] Re: 38s boxes  
Message-ID: <19970220.011643.5223.2.k5zty@juno.com>

Al and group,

Double sided PC board makes great custom sized boxes. If there is a circuit board maker in your town, you might get some scraps for the asking. I just got another arm load of it today. I bought a large pair of tin shears to cut it with from Sears for less than the price of a Ten Tec chassis and I can make lots of boxes exactly the size and shape that I want. Besides that, it makes the project last longer.

72,  
Bill, K5ZTY

WITHOUT CW, IT'S JUST CB  
ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440  
QRP-L 473

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [12595] Re: 38s boxes  
Message-ID: <199702201537.PAA15156@chuck.dallas.sgi.com>

Bill et.al.,

Thanks for the posting on the PC board.

One additional hint that Paul NA5N can use. Go to the Home Depot or whatever near you. They have a right angle jig with two C-clamps that puts the boards at 90.0 degrees and holds them in place while you solder the boards together.

Another trick that I have is they have in the aluminum section some right angle stuff that is about 1/4 to 3/8". Cut it to size (length) and use a rivet (?) critter to aid as a mechanical reinforcement. Makes a neat setup. Clean

and cheap if you do enough of them. :-)

Hints and Kinks from K5F0/6

dit dit

SIG

Chuck Adams K5F0            adams@sgi.com DXCC=9  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>

Subject: [12554] Re: 38S Crystal Filter

Message-ID: <1.5.4.16.19970220013234.219fbc54@mail49.mci2000.com>

At 10:56 AM 2/19/97 -0500, Walter B. Thomas wrote:

>Jim:

>Re: your two crystal Cohn filter for the 38S:

>

>I had done quite a bit of modeling of the NorCal 40/Sierra  
>and other crystal filters using W7ZOI's X.exe and GPLA. As  
>more capacitance is added to these filters to decrease the  
>bandwidth, the filter's "center frequency" shifts lower.  
>That's why Wayne N6KR changed the Sierra BFO freq. to be on  
>the "other side" of zero beat - it keeps the IF more centered  
>in the crystal filter's passband when the ABX is tuned to narrow  
>the BW.

>

>This may be what happened when you added C to get the narrower  
>BW with your newer crystals: the filter's center frequency shifted  
>lower and ended up on the opposite side.

>

>BTW, the "full sized" HC-49/18 crystals are higher Q than the  
>low profile HC-49US ones; means lower loss through the filter.

>

>Hope the above helps.

>73 Walt/WA4KAC

>

Hi Walt...thanks for stopping by. The real problem was the fact that the original crystals are several KHz lower in frequency than the serial mode crystals that I used. When I first did the mods, I didn't change the 2nd Lo crystal to one of mine, but kept the original in. In order to get the receive signals into the passband, I did a bit of retuning of this Lo, but ended up using the lower sideband, instead of the upper, which is how the stock 38S works. I just didn't think about the Tx offset until I made a few contacts and figured out what was really going on. I further did a complete analysis of the mixing schemes, and realized that

I would have to change the 2nd Lo crystal also if the thing was going to work at all correctly.

I'm now using another of the series mode crystals for the 2nd Lo, and the rig is running quite well. Still not completely satisfied with the Tx offset that I have, but it is acceptable. I hope to repost to the QRP-L gang this weekend, if all goes well with the remaining testing.

Film at 11:00, as Chuck would say.....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_`\<,	Mizuho 17/40 SSB
... ..	(*)/(*)	. . . . .

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Mike P <73571.3404@CompuServe.COM>  
Subject: [12646] Re: 40-9er available?  
Message-ID: <970220231702\_73571.3404\_FHD76-2@CompuServe.COM>

Thanks for the responses. I did order the 38 s but was hoping for the 40-9er.  
Oh well :> Looking forward to future radios that can fit in tins.  
Mike

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "\"W. Kimura\"." <W.Kimura@valley.net>  
Subject: [12555] re: Another Theory To Ponder  
Message-ID: <199702200139.UAA01309@norwich.valley.net>

At 08:11 PM 2/18/97 -0500, you wrote:

>By the way, goud splieling dose hlep wehn the comitteee is lookin gat what  
>wone caligue calls "the steaming pile." I gyess ilts jist pardof the  
>phenomenology of the scene.  
>  
>73  
>Nils  
>WB8IJN  
>... I don't understand this crap. It's like that ol' Martin Mull song, "Licks  
>off of records that I've heard..."

>

No fair, nobody said spelling counts on the grade. Next you'll tell me that grammar counts and on a curve to.

72, Kim, N1MVU

ps: sorry for the bandwidth

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>

Subject: [12579] RE:Anyone else working on QRP+ computer control?

Message-ID: <48C9DD7412@dental3.ab.umd.edu>

Gang ( any interested party, really) -

After having done every mod known to man on my QRP Plus, and two of my own that are in April's quarterly - the LCD backlight & selectable RF attenuator - I have turned my efforts to another vain. Is any one else attempting to use a PC to control the Plus? I have a workable system and am having fun with it, but I wanted to talk to others to see how they approached it. Any one out there?

Also, if you read this and haven't done this but feel it is usable or would like it, please answer these questions:

A) Would you like to have the control of the unit at DOS level via a terminal emulator, or would you like a nice Windows GUI picture of the face plate and make changes via the mouse?

B) Would the interface circuitry be better off as a kit or a completed board for you?

C) What would the cost break be for the kit and software? I don't want to make money, but do have to look at if it's feasible ( cost of materials and software - ~ \$90.)

D) Do you want - 200 memories, SCAN/SEEK function, save via a name (i.e, FOX, KLNET or TEN-X, etc.) or just the normal front face controls. This is a wish list, in other words - what do you want the Plus to do ?

Maybe this will come off by Christmas, as I don't have a lot of time to put in to it. So please don't ask me to send you anything. It is very rudimentary at this stage and kludged together. Will let you know the progress though as I work through it. Thanks for your help.

John N3REY  
Always QRP!

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: dgf@netcom.com (David Feldman)  
Subject: [12640] Re: Anyone using Tokyo Hi Pwr 40/15/6M HT?  
Message-ID: <199702202257.0AA07732@netcom11.netcom.com>

Jim W7LS <w7ls@brigadoon.com> writes:

>Yo.

Yo!

>Anyone out there using the Tokyo High Power HF ht?

Yes!

>It covers 40, 15, and 6 meters.

That's true!  
7.0-7.3, 21.0-21.5, and 50.0-51.0 MHz.

>Ssb and cw.

You win again! USB, LSB and CW are all selectable through a mode switch.

>Digital synthesizer,

On a roll! It tunes in 100 Hz steps using a single tuning knob on the top of the HT.

>noise blanker, etc. Seems way  
>cool to me. Just wondering how folks like these. Are there any problems to  
>watch for? Tips? Tnx/73 de Jim, W7LS

I have had mine for a year and a half or so, and purchased it used. They are still manufactured in Japan by Tokyo Hy Power. The model is HT-750 for the HT itself. Accessories available are a hard leather carry case, a speaker/microphone, a whip antenna setup (three base loaded resonators and a detachable pull-out whip), and an AC charger.

Output power is 3 watts (2 watts on 6 meters). RX selectivity is so-so (I think it's a 4 pole filter, and there is no narrow-CW filter option). The receiver is somewhat geared to work with the pull-out antennas, but you can connect it to a "real" antenna (BNC) and if necessary switch in



a RX front-end attenuator (switch on bottom of the HT).

Power is from eight AA cells. High capacity NiCads recommended. There is a small power drain even when turned off, so remove batteries (or plug a dummy power plug into the bottom) to detach batteries when not in use for a few days. It tends to eat batteries pretty quickly; when band switching there are some tiny reed relays that select the output filter, and that (along with it's "real" microprocessor and other stuff) make the RX current drain pretty high.

The rig has a LCD display (frequency, and a few mode annunciators), and the LCD can be lit by push of a button with an internal incandescent bulb (display is NOT backlit).

CW operation is reasonable - it is semi-break-in operation (you can adjust the hold time). Sidetone is internal. In SSB mode I got good audio quality reports PROVIDED that I spoke into the microphone from a reasonable distance (talk too close = overdrive the SSB audio).

The unit is rather large and heavy (remember the old 1970s era amateur HTs, in excess of 1 pound, and you get the idea). You could certainly put it on your belt, but you might tilt a bit to the left (or right!).

Operation with the built-in whip antenna is decent for receive but don't expect too many QSOs, particularly on 40 meters. With 15 meters now coming back to life, and E skip on 6 during summers, there are some "hand held" opportunities, but most people use the unit with an external antenna. The unit will work with the MIZUHO monoband HT whip antennas (which are slightly longer.)

There was an article in QST maybe 3 years ago by a guy that used it with his scout group as a portable HF rig (also with an external antenna).

About 2 years ago THP changed the outer case from metal to plastic. It might reduce the weight a bit.

They were sold in the US maybe 5 years ago, but the importer disappeared. I don't know how many made it into the US but I suspect no more than a thousand, probably alot less.

When I was in Japan a few weeks ago I saw them for sale in several of the ham shops. The typical going rate for the HT with a complete accessory package was 69800 yen, which is about \$650 at current exchange rates. The HT by itself was usually offered for 55K yen or so. THP also offers several types of HF linear amplifiers that could be used with the HT-750 (but they would be illegal in USA due to the FCC linear ban).

Occasionally I have seen them offered in the US on the used market for

\$400-500.

Given that HF hand-held (in general) is so severely compromised by the small antenna (and lack of any counterpoise beyond body capacitance), almost everyone uses an external antenna. If you're going to do that, there are a number of other tiny-HF rig options that could be considered.

That's all I can say!

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [12591] Re: Debugger #1 Day 4  
Message-ID: <330C6828.65E2@dancris.com>

Keep up the good posts, Larry. This is \_much\_ more fun than "how to cure a thump".

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: wd4et@juno.com  
Subject: [12644] Re: Extra QRPP  
Message-ID: <19970220.180815.13006.2.wd4et@juno.com>

The extra QRPP is already spoken for. Would you believe less than five minutes?

Sorry and 73, Jeff WD4ET

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [12608] Re: FSFD - WY  
Message-ID: <Pine.SOL.3.91.970220122734.1481A-100000@hyper>

On Thu, 20 Feb 1997, Mike Robinson wrote:

> Ok FSFD'ers,  
>  
> I'm going to try this again.  
>  
> This Saturday Afternoon from the wilds of Wyoming:  
>

Why not just participate in the FYB0. You don't have to be portable to enter the contest, just work as many stations as you can. Those needing WY will find you!

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [12567] Re: FYB0 Rules - Q&A (Please Read)  
Message-ID: <8D25489.0004000D5B.uuout@cheaha.com>

-> Gee, Joe. If by some chance I can't make it to the field, I thought  
-> abt turning the heat pump to "cool", cranking the thermo way down,  
-> and using that as my mult temperature. Probably can get it colder  
-> than a lot of places in this state, :-)

What the heck, how abt crawling in the chest-type freezer....that oughta  
\*really\* get a good low-temp!<g> Just be sure you have the key to the  
lock in your pocket.<g>

72/73  
Ed Welch KF4KRV  
QRP-L #873  
Luverne, Alabama  
Crenshaw County - Grid EM61

+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [12606] Re: Good 'n Cheap Dummy Load Construction (long)

Message-ID: <199702201704.LAA25946@multi13.netcomi.com>

KQ6FR wrote:

>  
> I agree this will make a low inductance dummy load, but I also believe  
> it can have a higher than desirable capacitance, due to a) the self  
> capacitance of all the resistors being in parallel (hence adding) and  
> b) the capacitor formed by the two slabs of PCB material spaced as  
> closely as the resistors will allow being added in parallel also.  
>  
> The best construction method using multiple lower wattage carbon  
> resistors that I have come across is to use eight "strings" each  
> consisting of four 100 Ohm resistors in series. That's 32 resistors in  
> total, so, using 1W resistors would give you a 32W load. If you fill the  
> tin with mineral oil, you could easily use this load at much higher  
> wattages (I've used one at 150W for short bursts without killing the  
> load).  
> snip.....

Excellent ideas, Dave, and a very good written description of how to build it.

Highly recommended.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bill Todd <bill@techline.com>  
Subject: [12574] Re: Lurker (Lorraine-AC6XK)  
Message-ID: <1.5.4.32.19970220070701.00684fb8@mail.techline.com>

Hello Lorraine -

Welcome to the group!

You do not have to be a techno-wizard to speak here, and you don't even know how to spell or use correct grammar. I know - for I have been learned gooder.

CUL, Bill-N7MFB  
Bay Center, WA

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Subject: [12547] Re: N38S-anyone recently do all mods?  
Message-ID: <1.5.4.16.19970220005217.20af76e2@mail49.mci2000.com>

At 08:09 AM 2/19/97 -0600, Jeff AC4HF wrote:

>  
>My question:  
>  
>has anyone RECENTLY successfully built the N38S with the additions  
>for higher power, tick and such? if so, boy would I appreciate  
>hearing a recommended procedure for incorporating the addition  
>mods without having to put parts in and then take them out later.  
>  
>thanks!!!  
>

Jeff...I've built a 38S with all the mods except the RIT, 'cause  
I didn't think it was necessary considering the limited frequency  
coverage of the VX0. I'm going to prepare a summary, hopefully  
this weekend, of the exact modifications that I made and how they  
should be done on a new unit to arrive at my configuration, plus  
I hope to include some discussion of the rationale for some of the  
changes for the technically inclined.

BTW, mine also had a new filter in it that I intend to include.

72....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com		__o Cascade 17/40 SSB
Fenton, MI		_'\< Mizuho 17/40 SSB
...	..	.. . . . (*)/(*) . . . . .

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "KF4MZD (John Kemker)" <kemkerj@xyzy.net>  
Subject: [12566] Re: Phasing quads  
Message-ID: <199702200552.AAA23664@www.xyzy.net>

On 19 Feb 97 at 16:19, martin38945@juno.com wrote:  
> are quads or not. You asked for a "rule of thumb"... do you know  
> the origin of the term "rule of thumb"? Hint... it pertains to  
> domestic violence.  
>

English Common Law prohibited a man from beating his wife with anything thicker than his thumb.

=====  
73 de KF4MZD (John Kemker)  
kemkerj@xyzzzy.net  
Grid Square: EM73vt  
QRP-L Number: 974

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [12568] Re: Review: ARRL Handbook on CD  
Message-ID: <Pine.SUN.3.90.970219212935.11475B-100000@vortex.sage.dri.edu>

On Thu, 20 Feb 1997, Ed Manuel wrote:

> Gang,  
>  
> This thing is so cool. I love it.  
>  
> (What, you were expecting an essay?)

But Ed,

I don't have a computer in the bathroom!

(Isn't that where everyone reads the Handbook?) :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Brian Cieslak <brianc@ams-i.com>  
Subject: [12586] Re Slow Burn  
Message-ID: <c=US%a=\_%p=Adaptive\_Micro\_S%l=AMS-I\_SERVER\_1-970220141310Z-276@ams-i-server-1.ams-i.com>

KD6POC's article 'Why QRP' in the March QST reminds me of the old joke.

JOE HAM: Doctor, It hurts when I do this.

DOCTOR: Well, stop doing that.

If it bothers him so much to work weak stations then don't.

Brian

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: Ed Pacyna <pacyna@auratek.com>

Subject: [12616] Re: Spectrum allocation

Message-ID: <3.0.16.19970220134838.08a798ee@galaxy.auratek.com>

At 10:07 AM 2/20/97 -0500, you wrote:

>FY0. Those interested in the allocation of the spectrum might want to take a  
>look at a book called "Spectrum Guide" by Bennett Z. Kolb, KC5CW. It gives  
>the allocations in the US from 30 MHz to 300MHz (rest deleted)

Motorola has a 3' x 4' wall chart that shows the spectrum allocation by service type (e.g. amateur, broadcast, public service, communications, military etc.). It can be ordered from their Web site  
<[http://design-net.com/home/lit\\_ord.html](http://design-net.com/home/lit_ord.html)>. Order "RF Chart/D".

Its an eye opener (amateur service currently has a lion's share of the spectrum.

Ed

W1AAZ

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997

From: PA3ASC@mailbox.hol.nl (Mike Perry)

Subject: [12621] RE: Syrup-tin dummy loads

Message-ID: <199702201933.UAA04296@bonny.hol.nl>

Gang:

A description of syrup-tin dummy load - like the one described by Dave - appeared some years in a local ham-radio newsletter. I made one and worked well.

But one safety tip I got was to solder into the lid a bicycle valve insert - the old fashioned sort which had a bit of fine rubber tubing tubing to act as a seal - just in case the oil boils and the internal pressure gets too high ...

then you have a built-in safety valve.

Hope this helps.  
73 de PA3ASC

Dave KQ6FR wrote:

>The best construction method using multiple lower wattage carbon  
>resistors that I have come across is to use eight "strings" each  
>consisting of four 100 Ohm resistors in series. That's 32 resistors in  
>total, so, using 1W resistors would give you a 32W load. If you fill the  
>tin with mineral oil, you could easily use this load at much higher  
>wattages (I've used one at 150W for short bursts without killing the  
>load).  
> ..[ stuff deleted ]  
> Once you have it constructed, I suggest you seal the lid by  
> soldering it in permanently - this will reduce the risk of it  
> popping off and getting oil all over.

--

Best regards from The Netherlands,  
Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl ]

=====

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [12610] Re: Ten Tec 1340  
Message-ID: <19970220.103820.9958.1.gsurrency@juno.com>

I would look at reducing the gain of the LM386 by changing the value of the resistor between pins 1 and 8, if there is one. If there is a capacitor there, the chip is running "wide open" and will be noisy. This chip can be set from a gain of 20 to 200 with the proper resistor or cap or a combination of the two.

Also, pin 7 should always be bypassed with 1-10uf to reduce residual noise and oscillations.

Try to find the source of the noise by working from the audio stages backward to the RF input, shorting out the signal with a .1uf cap or sometimes just by removing an IC if it is socketed. That will help narrow down your search to the noise source. It might turn out to be one of those infernal monolithic caps that are easily made intermittent with rough handling during insertion or soldering.

Make sure the electrolytics didn't get turned around the wrong way as you were trying to install them. Once in a while, you'll get a noisy transistor somewhere, or improvements can be realized



with another device of the same type or a different one.

I have found too much gain is just as bad as too little in some rigs, so don't be afraid to reduce the overall gain if need be. Proper alignment will be a major factor in improving the signal to noise ratio, as the AGC may not need to allow such high gain if the receiver is operating at its best.

Good luck!

73,

Gary Surrency AB7MY  
S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
Az ScQRPions

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Glenn E. Scott" <scotty@facade.adm.clarkson.edu>  
Subject: [12612] Re: Ten Tec 1340  
Message-ID: <77F5BB126FD@FACADE.ADM.CLARKSON.EDU>

Hi Gary,

Thanks loads for the information. I will sure try everything. I just wish I was alittle more intelligent when it comes to radios. But I guess you learn by doing, and if that is the case I am certainly learning. Thanks again for the suggestions.

\*\*\*\*\*  
I would look at reducing the gain of the LM386 by changing the value  
> of the resistor between pins 1 and 8, if there is one. If there  
> is a capacitor there, the chip is running "wide open" and will  
> be noisy. This chip can be set from a gain of 20 to 200 with  
> the proper resistor or cap or a combination of the two.  
>  
> Also, pin 7 should always be bypassed with 1-10uf to reduce  
> residual noise and oscillations.  
>  
> Try to find the source of the noise by working from the audio stages  
> backward to the RF input, shorting out the signal with a .1uf cap  
> or sometimes just by removing an IC if it is socketed. That will help  
> narrow down your search to the noise source. It might turn out to  
> be one of those infernal monolithic caps that are easily made  
> intermittent with rough handling during insertion or soldering.

>  
> Make sure the electrolytics didn't get turned around the wrong way  
> as you were trying to install them. Once in a while, you'll get a  
> noisy transistor somewhere, or improvements can be realized  
> with another device of the same type or a different one.  
>  
> I have found too much gain is just as bad as too little in some rigs,  
> so don't be afraid to reduce the overall gain if need be. Proper  
> alignment  
> will be a major factor in improving the signal to noise ratio, as the  
> AGC may not need to allow such high gain if the receiver is operating  
> at its best.  
>  
> Good luck!  
>  
> 73,  
>  
> Gary Surrency AB7MY  
> S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)  
> QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
> Az ScQRPions  
>  
>  
" 73 " N2ULU (GLENN SCOTT)  
QRP-L #403, NE QRP #448, NCARC  
Scotty@facade.clarkson.edu

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: launerb@crl.com (William H. Launer)  
Subject: [12557] Re: V26CW?  
Message-ID: <v01530501af316e33b5aa@[192.0.2.1]>

Thanks to all who responded to my query about the location of V26CW.

Ori and company are to be commended on the fine design and implementation of the 38 Special! Mine is essentially stock, with the addition of the "direct-coupled" 5 Watt amplifier. Since I didn't like the 30 degree "deadband" of the 100k RS pot I had obtained, I replaced it with a 50k Allen Bradley unit, with a series 5k trimpot to set the lower edge of the tuning range (I added additional turns to the 4.6 uH choke). It tunes from 10.105 to 10.129 MHz. The 2 diode "thump reducer" was also added, and works well. I didn't add the RIT, or Tick mods (I use a straight key, and it keys well).

With my casual operating habits, I've worked (in addition to V26CW) NY, VA, MD, CA, ID, NV, PA, and NC from here in MO. My antenna is a 125 ft

inverted L lying on the roof, with the vertical portion running down the end of the house into the basement. The antenna is played against a 100 ft counterpoise lying on the ground. The antenna system is tuned with an MFJ 16010ST C-L-C tuner. Power is supplied from a HB 12 V, 18 Amp regulated supply (no reports of chirp).

Today, I answered a 599 cq from K2EA0, who gave me a 579. When I told him I was running 5W qrp, he said he had worked another qrp station the other day - He then said "you qrp guys really do a fine job!" He then turned his 100 watt rig down to 8W, and I gave him a 579. Maybe another potential convert?

Thanks again,

72/73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279            qrp arco #3551  
Grid Square EM48RT

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Jim Hydzik <congress@magpage.com>  
Subject: [12614] Re: VERTICAL GROUND SYSTEMS  
Message-ID: <199702201802.NAA27771@alaska.magpage.com>

>First off; verticals REQUIRE a low impedance ground return for PROPER  
>operation. Now unless your vertical is installed offshore in the ocean (I've  
>seen broadcast stations like that,) or the lawn in your back yard is actually  
>one big sheet of copper (not with my wife!), this probably means radials.

Hi Brad. Quick question here. What happens to the above "REQUIRE a low...."  
part of the system when the antenna is a half wave vertical. I ask  
this because I intend to hang a 1/2 wave wire straight down from a  
tree top to the Rainbow Tuner. The original intent was to run a  
single 1/4 wave radial from the case of the tuner for tuning stability  
but never gave any consideration to a ground 'system'.

TIA, Jim K3QIO Del.

From owner-qrp-1@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Jim Hydzik <congress@magpage.com>  
Subject: [12615] Re: VERTICAL GROUND SYSTEMS Diff Question here  
Message-ID: <199702201802.NAA27776@alaska.magpage.com>

Brad,

>The following table will show the relative improvement in radiated field  
>intensity with an increasing number of 1/4 wavelength radials. Each entry is  
>referenced to an antenna with two radials.[1,4]

	NUMBER OF RADIALS (n)	FIELD INTENSITY IMPROVEMENT (dB)
	2	REF
	15	2.7 dB
	30	3.4 dB
	60	3.9 dB
	113	4.2 dB

Where is the field strength meter located in this example? Is it in-line with one of the 2 reference radials or perpendicular to it? Example below:

IN-Line                      PERPENDICULAR

[FSM]                      [FSM]

Also curious to know if the simulation has the Field Strength Meter at ground level and looking at groundwave paths only. If a vertical is being installed on a balcony because of no horizontal real estate (Brooklyn, NY) and you want to use it on local nets, then I assume the entire topic of radials changes to enhance higher take off angles. Are all of the tabulations given for ground mounted FSM?

TIA, Jim K3QIO

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [12539] Re: VT FSFD - MIA?  
Message-ID: <199702200000.RAA15993@dancris.com>

At 04:26 PM 2/19/97 -0700, you wrote:

>  
>Howdy Folks,  
>  
>Has anyone heard the VT FSFD "Fox" today? It's 2326 UTC  
>and I've been listening for him on 20m. Band seems open,  
>but no W1EAT in sight. :-(  
>  
>VT's my last state for QRP WAS. Please tell me he's out  
>there! Help me Obi-wan, you're my only hope! :-)  
>

Not a sign of him, Joe. I had hoped to get him to round out my New England  
'catches'. Maybe later on 40M.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP  
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Steve Bornstein <saborn@saborn@freenet.columbus.oh.us>  
Subject: [12542] Re: VT FSFD - MIA?  
Message-ID: <Pine.3.07.9702191908.A23467-a1000000@login>

Howdy,

I've been listening on 40M since 0000hrs and no joy.

73, Steve K8IDN

On Wed, 19 Feb 1997, Bob Hightower wrote:

> At 04:26 PM 2/19/97 -0700, you wrote:

> >  
> >Howdy Folks,  
> >  
> >Has anyone heard the VT FSFD "Fox" today? It's 2326 UTC  
> >and I've been listening for him on 20m. Band seems open,  
> >but no W1EAT in sight. :-(  
> >  
> >VT's my last state for QRP WAS. Please tell me he's out  
> >there! Help me Obi-wan, you're my only hope! :-)  
> >  
>  
> Not a sign of him, Joe. I had hoped to get him to round out my New England  
> 'catches'. Maybe later on 40M.  
> 73,  
> Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP  
> ARCI #8918, AK QRP #30, not in any order of importance.  
>  
> <http://www.dancris.com/~ki7mn>  
>  
>

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [12571] Re: VT FSFD - MIA?  
Message-ID: <Pine.SOL.3.91.970220013539.26460A-1000000@hyper>

On Wed, 19 Feb 1997, Joe Gervais wrote:

> Has anyone heard the VT FSFD "Fox" today? It's 2326 UTC  
> and I've been listening for him on 20m. Band seems open,  
> but no W1EAT in sight. :-(  
Worked him on 20M and talked him into QSY for quick 30M Q.  
Hope he went back to 20M and that I didn't cheat you out of a QS0!

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: PA3ASC@mailbox.hol.nl (Mike Perry)

Subject: [12622] RE: What's a QSO (or what's a QSL)  
Message-ID: <199702201933.UAA04298@bonny.hol.nl>

Gang:

>I had a new experience yesterday in my 46 years of hamming: I had a QSL card  
>returned because the information was "incomplete" and would not be  
>"acceptable to the ARRL for WAS"! What was the problem? Well, according to  
>the gentleman that returned it, it did not have "two way" or "2X" noted. It  
>did, however, state: "Confirming QSO with ...".

>72, Larry W1HUE/7

>

This reminds me of an incident earlier tonight when the XYL asked why I  
tore up a QSL card which I had incorrectly written; "Why waste money", she  
said, "Just paint over the mistake and write it again." I muttered something  
about QSL cards need to be written with more care than a lawyer's letter.

IMHO: Regardless of how one defines the term "QSO", a definite problem  
arises when someone wants a specific endorsement e.g. "Only CW", then  
the card must confirm that the QSO met this criterion and the prospect of a  
cross-mode contact must be excluded. "Cross-mode" could (in the limit)  
mean 7 MHz in one direction and 600 ohms (courtesy of Ma Bell) ohms in  
the other and it would still be a "2-way communication".  
Hence a statement like "2xCW" or "2xSSB" makes the report (more) specific  
Yeah .. he could have whistled morse down the phone but it would not be "CW".

Maybe I'm being too pedantic, but a document - like a QSL card - can often  
be subjected to a variety of interpretations. All the same it provokes the  
question as to whether the award is for working 'em or just for filling in  
forms.

73 de PA3ASC

--

Best regards from The Netherlands,  
Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl ]

=====

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
Subject: [12634] Re: Why did QST print it??  
Message-ID: <Pine.OSF.3.95.970220144849.4116A-100000@duke.usask.ca>

Personally I can't shake the feeling that the purpose of QST is to help  
sell big rigs. Printing a letter like this seems to fit in perfectly. :-(

Brian.

On Thu, 20 Feb 1997, Gary M - W2UX wrote:

> My question is "Why did QST print an obviously childish stab at QRP". They  
> must be getting short on things to print in the Correspondence section of  
> the magazine. I think that everyone on the list should send QST a  
> tastefully worded reply to the letter in question. It is our hobby and they  
> tell us it is our magazine. Let them know that we did not particularly care  
> for the negative press.  
>  
> One man's opinion.  
>  
> 73/72  
> Gary - W2UX  
> CW is the REAL THING!  
>  
>  
>

```
+-----+
| Brian Buydens,          Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                                |
+-----+
| Keep Cool, but Don't Freeze                                |
|           - Hellman's Mayonnaise                                |
+-----+
```

From owner-qrp-l@Lehigh.EDU Thu Feb 20 18:05:34 1997  
From: n4js@amsat.org  
Subject: [12641] RE: Why did QST print it??  
Message-ID: <XFMail.970220173541.n4js@amsat.org>

On 20-Feb-97 Gary M - W2UX expounded:

>My question is "Why did QST print an obviously childish stab at QRP". They  
>must be getting short on things to print in the Correspondence section of  
>the magazine.

See, we're back to my original point. ARRL makes it's money from ads from the  
BIG outfits (read, BIG, and QRO). They don't make much from ads for QRP stuff.  
I'm sorry to be cynical (actually, no I'm not sorry), but ARRL bends toward the  
money, EVERY TIME!



Sent at 17:35:41 on 20-Feb-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
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NE-QRP #507 G-QRP #9544 Norcal #???? QCWA Life Member